

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007853.D
 Acq On : 06 Mar 2019 10:34
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:34:51 AM

Quant Time: Mar 07 07:25:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	459358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199754	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	65493	19.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.26%	
35) Dibromofluoromethane	5.51	113	57213	19.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.94%	
50) Toluene-d8	8.71	98	210852	19.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.08%	
62) 4-Bromofluorobenzene	11.13	95	73859	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	52240	19.337	ug/l	99
3) Chloromethane	1.33	50	66195	19.013	ug/l	98
4) Vinyl Chloride	1.41	62	67040	19.380	ug/l	98
5) Bromomethane	1.64	94	34962	16.621	ug/l	97
6) Chloroethane	1.73	64	43378	18.876	ug/l	99
7) Trichlorofluoromethane	1.93	101	86546	19.216	ug/l	98
8) Diethyl Ether	2.20	74	37675	19.317	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	52915	18.959	ug/l	99
10) Methyl Iodide	2.52	142	77483	19.569	ug/l	100
11) Tert butyl alcohol	3.07	59	73392	98.383	ug/l	100
12) 1,1-Dichloroethene	2.38	96	51096	18.992	ug/l	98
13) Acrolein	2.30	56	39245	87.123	ug/l	99
14) Allyl chloride	2.73	41	109276	19.330	ug/l	100
15) Acrylonitrile	3.15	53	180043	95.619	ug/l	100
16) Acetone	2.45	43	218254	113.042	ug/l	100
17) Carbon Disulfide	2.57	76	163326	18.081	ug/l	100
18) Methyl Acetate	2.78	43	78610	19.165	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	180440	19.495	ug/l	99
20) Methylene Chloride	2.86	84	57776	18.802	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	55264	18.669	ug/l	98
22) Diisopropyl ether	3.87	45	202257	19.517	ug/l	96
23) Vinyl Acetate	3.82	43	892841	98.248	ug/l	100
24) 1,1-Dichloroethane	3.70	63	108877	19.523	ug/l	99
25) 2-Butanone	4.70	43	284060	103.921	ug/l	99
26) 2,2-Dichloropropane	4.59	77	70829	19.170	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	64587	19.067	ug/l	99
28) Bromochloromethane	5.03	49	53002	20.386	ug/l	100
29) Tetrahydrofuran	5.15	42	166774	97.814	ug/l	99
30) Chloroform	5.22	83	103303	19.582	ug/l	100
31) Cyclohexane	5.58	56	99450	19.403	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	85381	19.507	ug/l	99
36) 1,1-Dichloropropene	5.80	75	79368	19.082	ug/l	99
37) Ethyl Acetate	4.85	43	94231	19.091	ug/l	99
38) Carbon Tetrachloride	5.79	117	76494	19.371	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007853.D
 Acq On : 06 Mar 2019 10:34
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:34:51 AM

Quant Time: Mar 07 07:25:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	97810	19.407	ug/l	100
40) Benzene	6.15	78	240422	19.416	ug/l	99
41) Methacrylonitrile	5.06	41	52737	19.597	ug/l	98
42) 1,2-Dichloroethane	6.20	62	79216	19.562	ug/l	99
43) Isopropyl Acetate	6.46	43	141088	19.314	ug/l	100
44) Trichloroethene	7.21	130	64760	18.978	ug/l	97
45) 1,2-Dichloropropane	7.52	63	65107	19.907	ug/l	100
46) Dibromomethane	7.66	93	40376	19.508	ug/l	99
47) Bromodichloromethane	7.90	83	77326	19.705	ug/l	98
48) Methyl methacrylate	7.77	41	74695	19.448	ug/l	100
49) 1,4-Dioxane	7.75	88	29929	379.348	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	475792	101.278	ug/l	99
52) Toluene	8.79	92	147198	19.471	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	79252	19.350	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	90612	19.591	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	60486	19.764	ug/l	99
56) Ethyl methacrylate	9.18	69	92453	20.120	ug/l	99
57) 1,3-Dichloropropane	9.37	76	102183	19.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	234694	98.741	ug/l	100
59) 2-Hexanone	9.49	43	375062	102.832	ug/l	99
60) Dibromochloromethane	9.58	129	64138	20.051	ug/l	100
61) 1,2-Dibromoethane	9.67	107	63491	19.540	ug/l	100
64) Tetrachloroethene	9.34	164	62761	18.765	ug/l	99
65) Chlorobenzene	10.14	112	161695	19.146	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	59138	19.538	ug/l	100
67) Ethyl Benzene	10.25	91	268498	19.313	ug/l	99
68) m/p-Xylenes	10.36	106	209683	39.130	ug/l	100
69) o-Xylene	10.70	106	100605	19.447	ug/l	100
70) Styrene	10.71	104	166954	19.721	ug/l	100
71) Bromoform	10.86	173	50725	19.514	ug/l #	99
73) Isopropylbenzene	11.02	105	271030	20.062	ug/l	100
74) N-amyl acetate	10.90	43	122027	19.785	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91770	19.693	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87712m	20.753	ug/l	
77) Bromobenzene	11.26	156	72172	19.486	ug/l	99
78) n-propylbenzene	11.36	91	298469	19.915	ug/l	100
79) 2-Chlorotoluene	11.42	91	180131	19.657	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	222369	19.999	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	25341	19.325	ug/l	94
82) 4-Chlorotoluene	11.51	91	204855	19.507	ug/l	100
83) tert-Butylbenzene	11.77	119	220668	19.702	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	227968	20.000	ug/l	100
85) sec-Butylbenzene	11.94	105	265204	20.105	ug/l	99
86) p-Isopropyltoluene	12.06	119	234832	19.878	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	126324	19.278	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	126320	18.809	ug/l	99
89) n-Butylbenzene	12.39	91	193586	19.342	ug/l	99
90) Hexachloroethane	12.60	117	38659	19.572	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	126290	19.401	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19041	19.551	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030619\
Data File : VX007853.D
Acq On : 06 Mar 2019 10:34
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

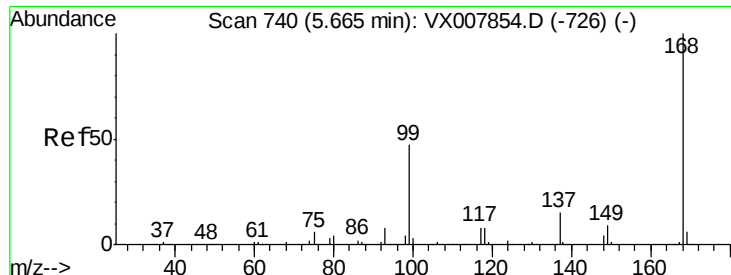
Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM

Quant Time: Mar 07 07:25:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:50:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	86794	18.980	ug/l	99
94) Hexachlorobutadiene	13.78	225	45842	19.174	ug/l	99
95) Naphthalene	13.83	128	254225	19.294	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	87554	19.220	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 316211

Ion Ratio Lower Upper

168 100

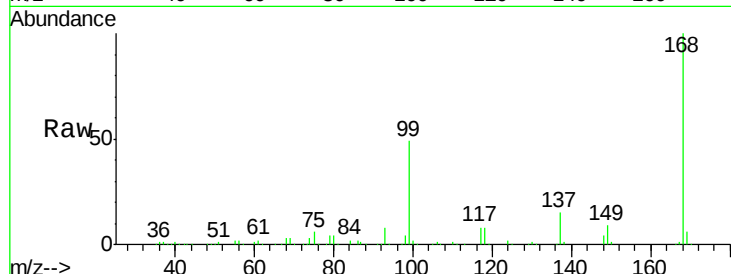
99 48.5 37.6 56.4

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:34:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

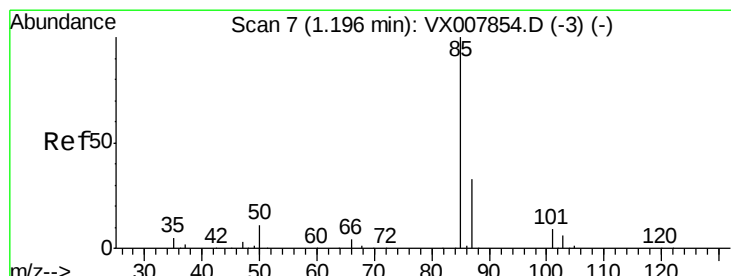
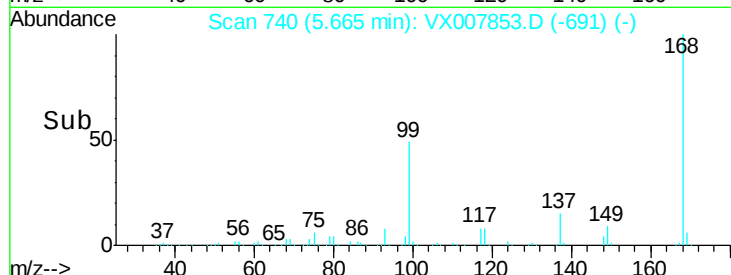
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.337 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007853.D

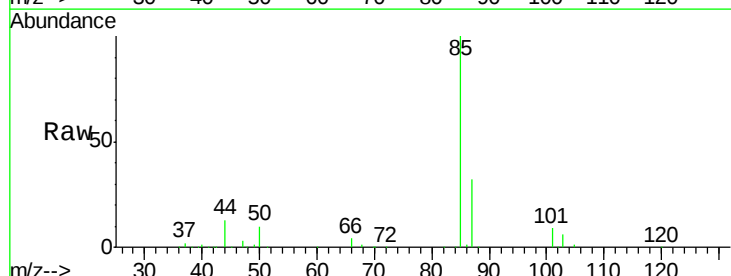
Acq: 06 Mar 2019 10:34

Tgt Ion: 85 Resp: 52240

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

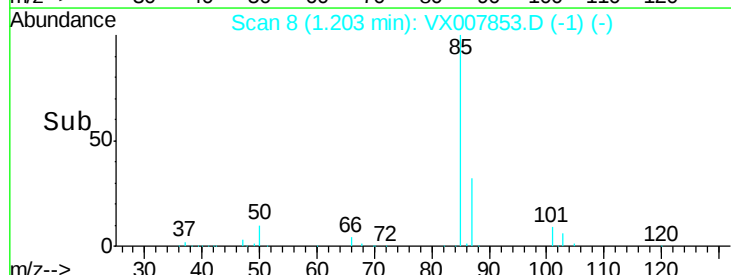
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.013 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 66195

Ion Ratio Lower Upper

50 100

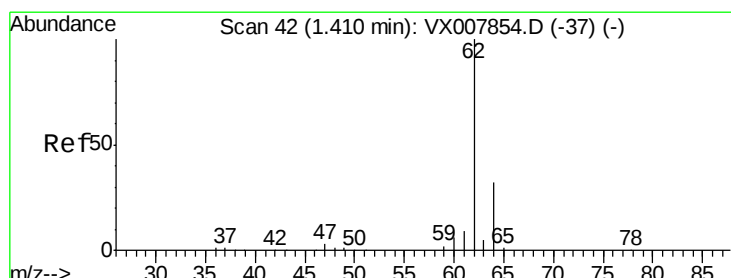
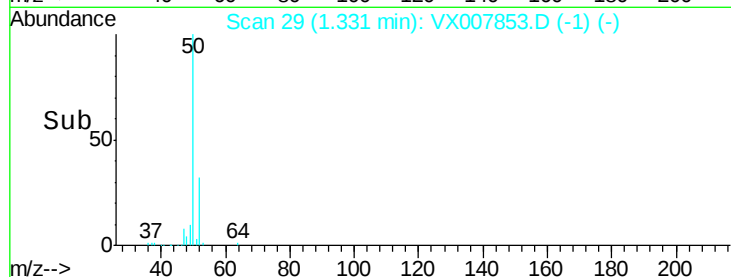
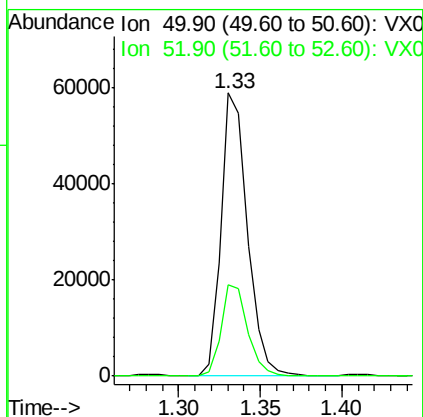
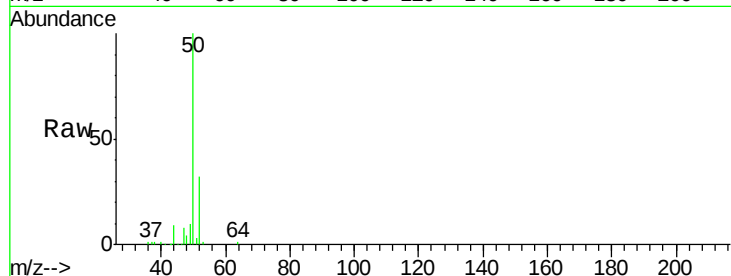
52 32.2 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:34:51 AM



#4

Vinyl Chloride

Concen: 19.380 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007853.D

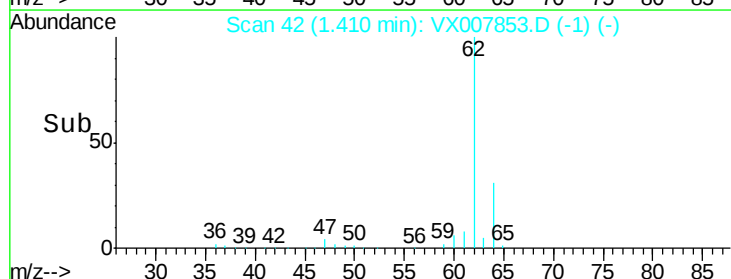
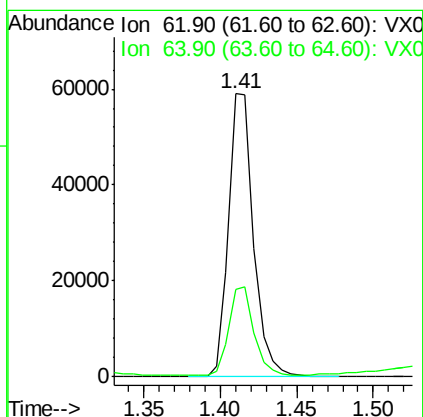
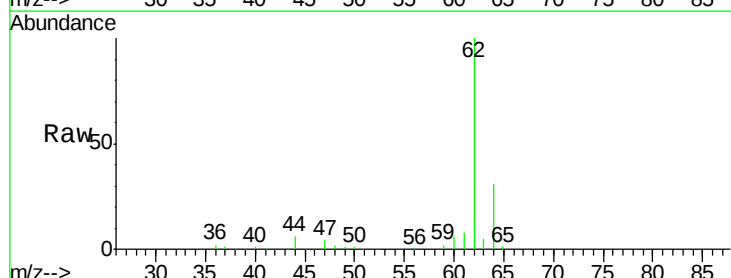
Acq: 06 Mar 2019 10:34

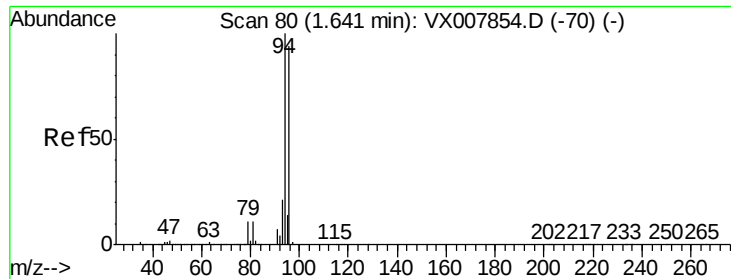
Tgt Ion: 62 Resp: 67040

Ion Ratio Lower Upper

62 100

64 30.5 25.3 37.9





#5

Bromomethane

Concen: 16.621 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 34962

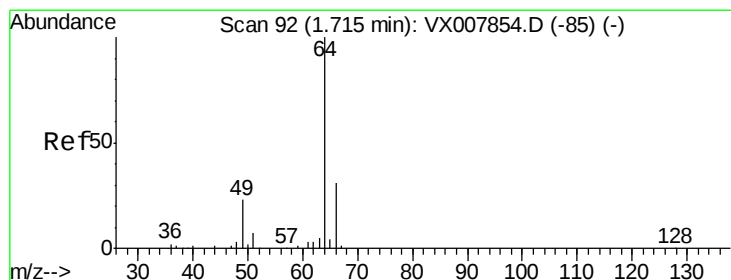
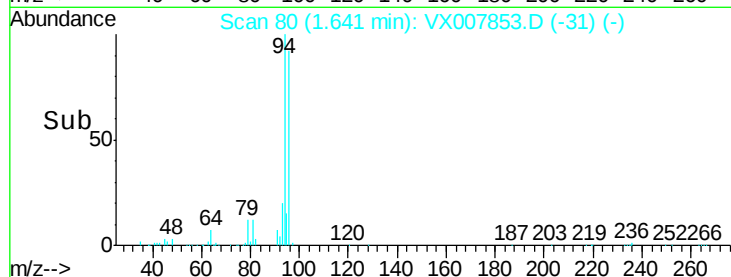
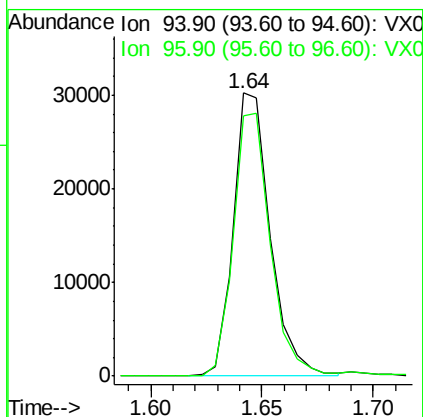
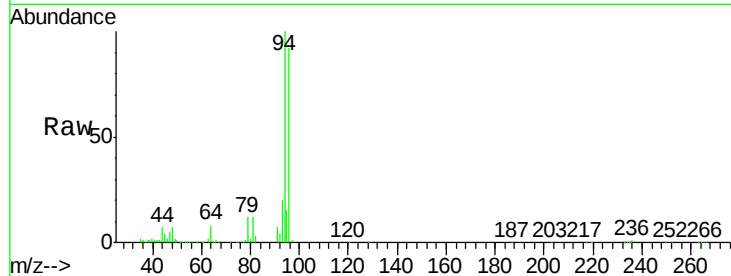
Ion Ratio Lower Upper

94 100

96 91.9 75.5 113.3

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#6

Chloroethane

Concen: 18.876 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007853.D

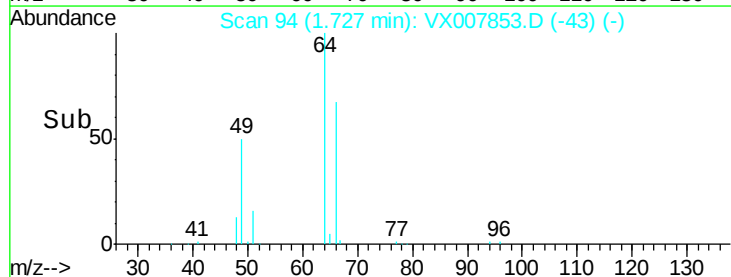
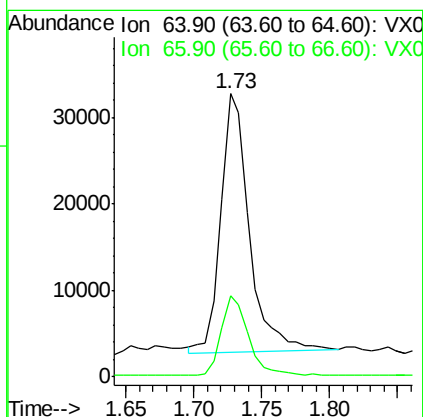
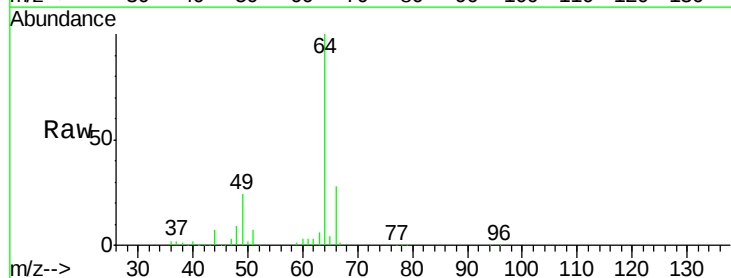
Acq: 06 Mar 2019 10:34

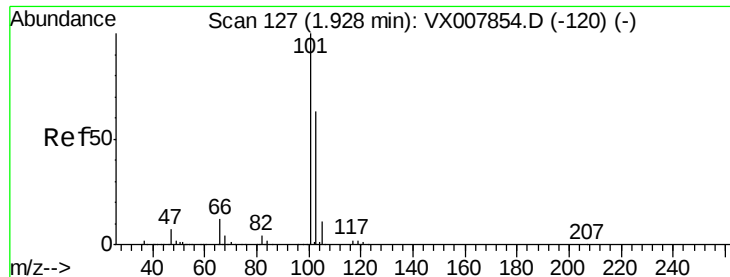
Tgt Ion: 64 Resp: 43378

Ion Ratio Lower Upper

64 100

66 30.8 25.2 37.8





#7

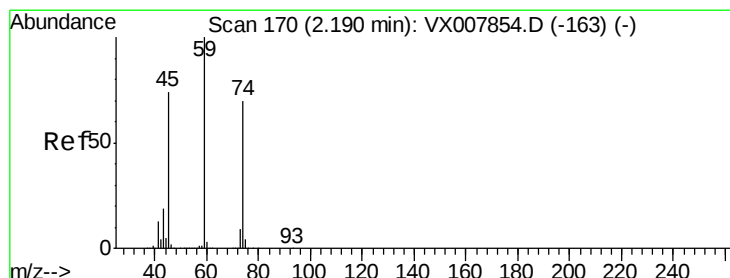
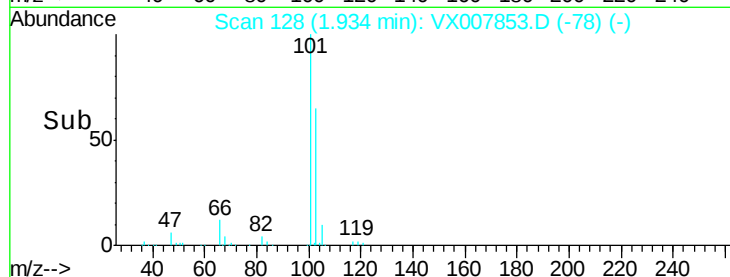
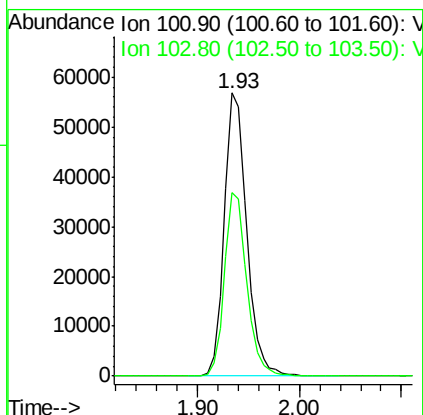
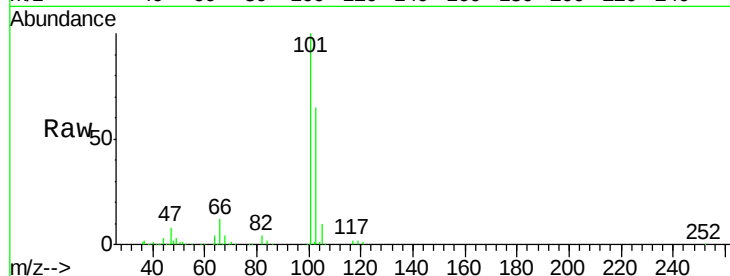
Trichlorofluoromethane
Concen: 19.216 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.4	75.6

Manual Integrations
APPROVED

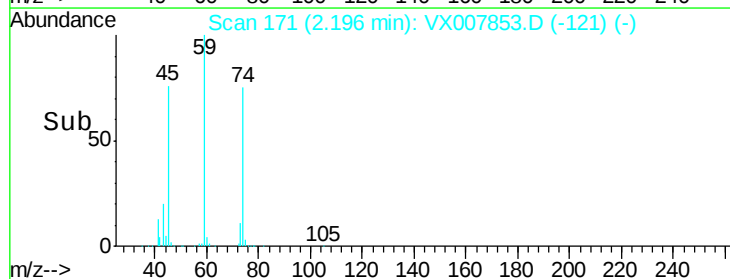
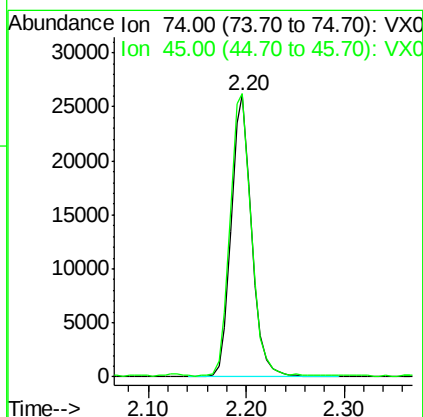
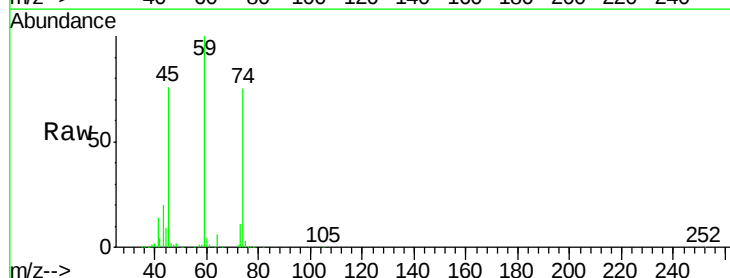
MMDadoda
3/7/2019 10:34:51 AM

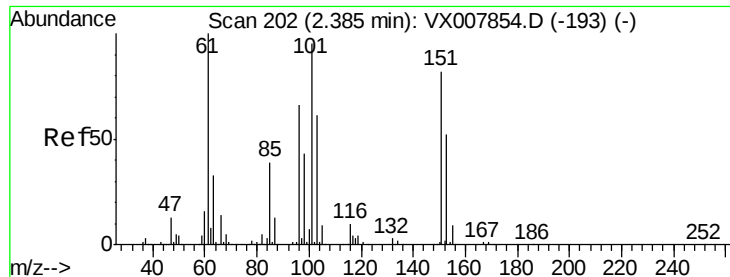


#8

Diethyl Ether
Concen: 19.317 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.959 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

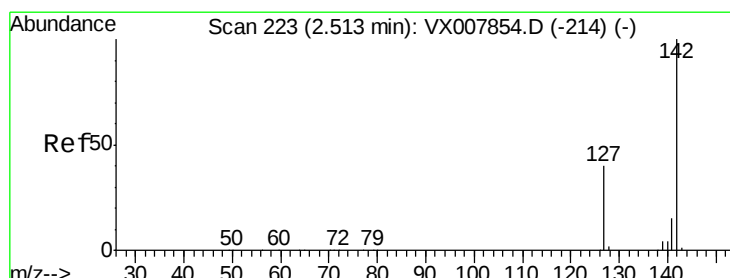
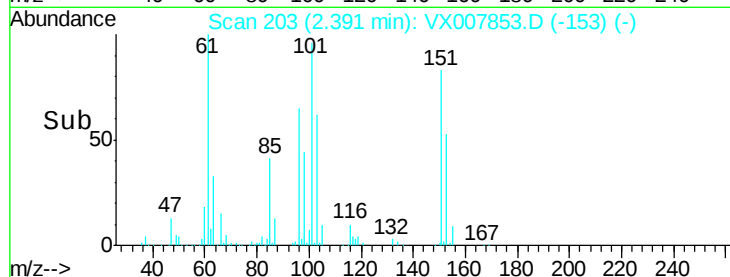
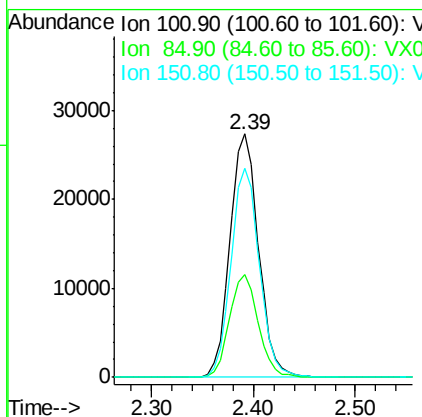
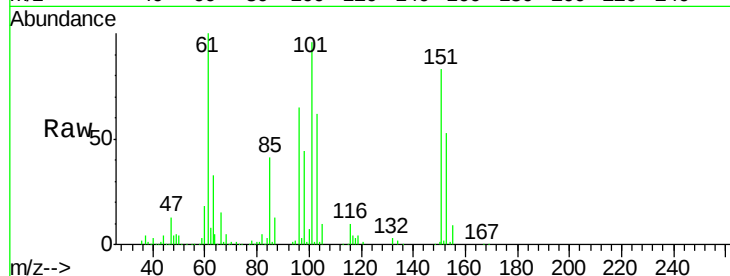
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	52915
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.8	50.6
151	85.6	69.1	103.7

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#10

Methyl Iodide

Concen: 19.569 ug/l

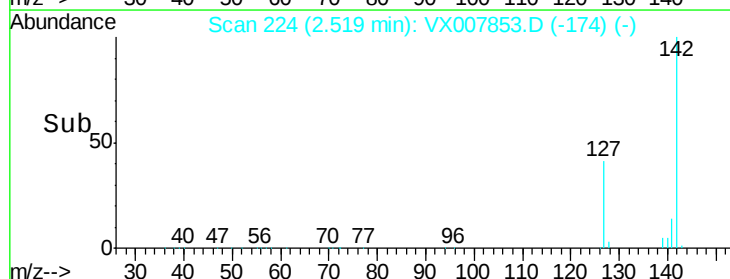
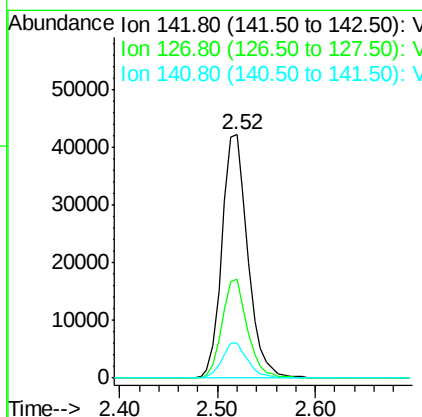
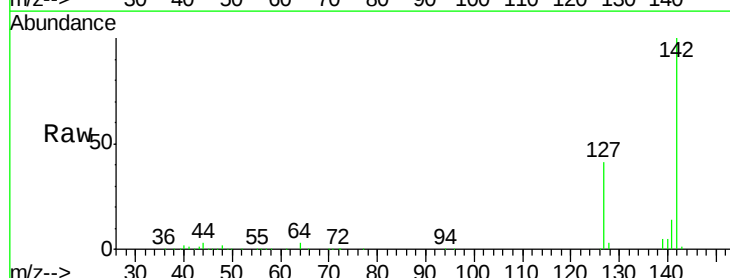
RT: 2.52 min Scan# 224

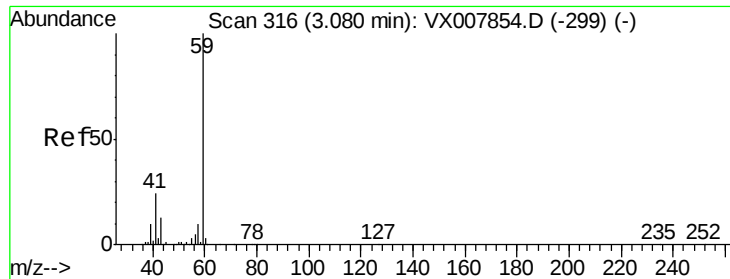
Delta R.T. 0.01 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tgt Ion:	142	Resp:	77483
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.1	48.1
141	14.4	11.4	17.2





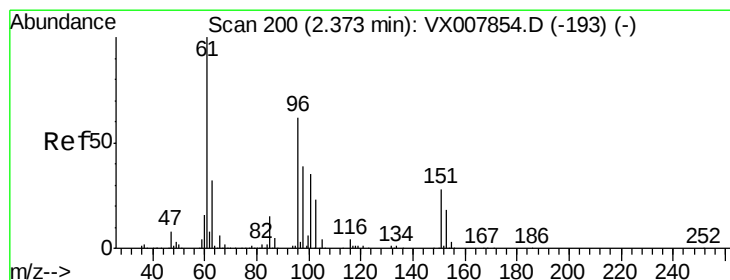
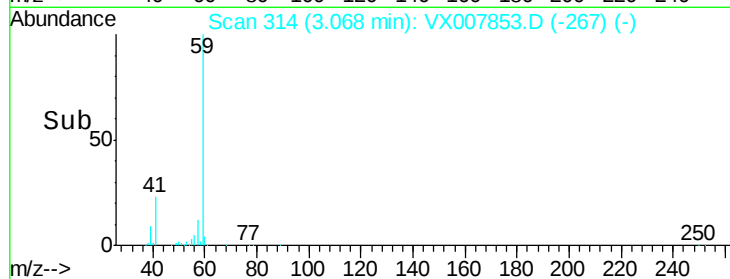
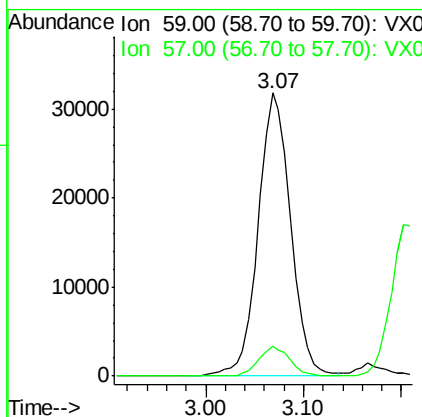
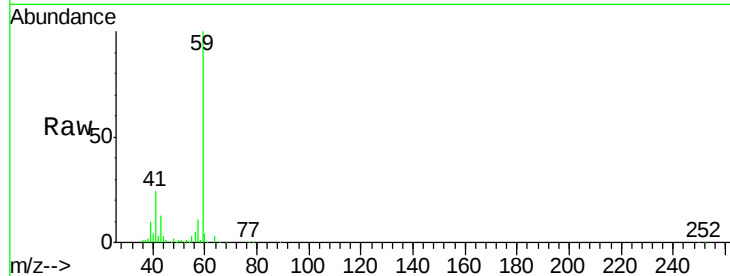
#11
Tert butyl alcohol
Concen: 98.383 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 73392
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

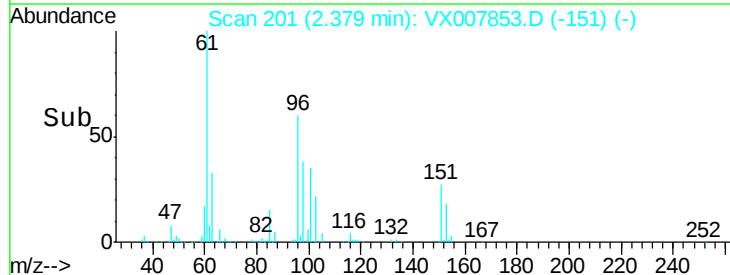
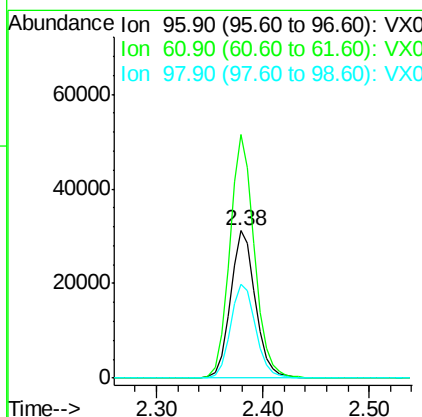
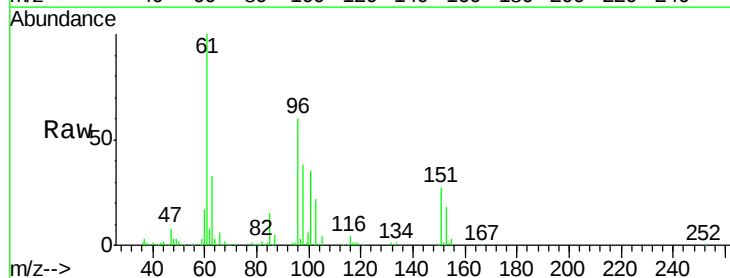
Manual Integrations
APPROVED

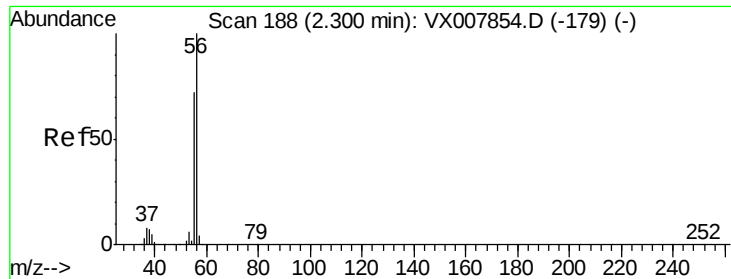
MMDadoda
3/7/2019 10:34:51 AM



#12
1,1-Dichloroethene
Concen: 18.992 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion: 96 Resp: 51096
Ion Ratio Lower Upper
96 100
61 165.4 129.8 194.6
98 63.6 51.0 76.6





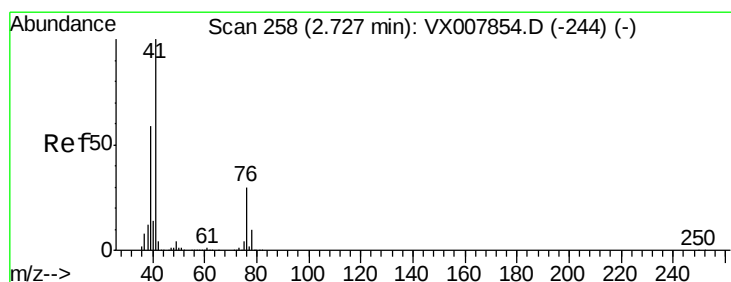
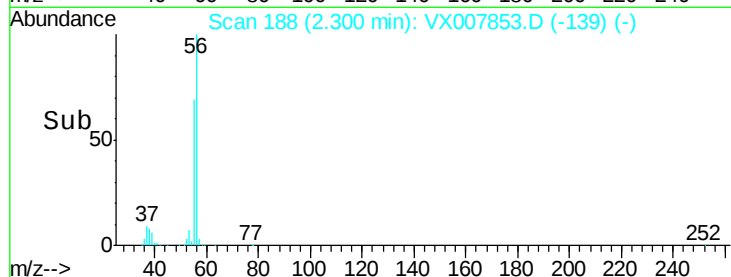
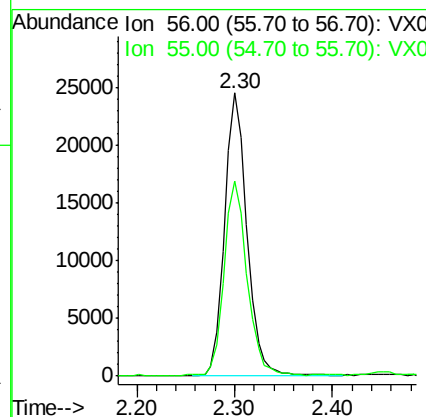
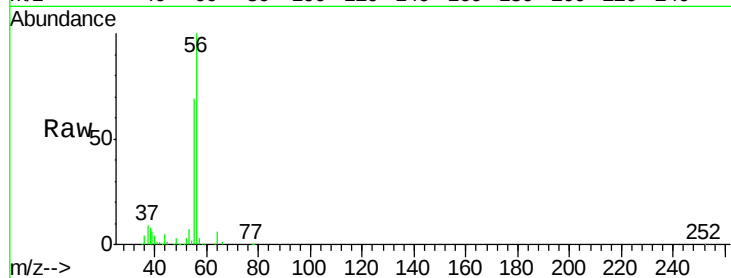
#13
Acrolein
Concen: 87.123 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.8	86.6

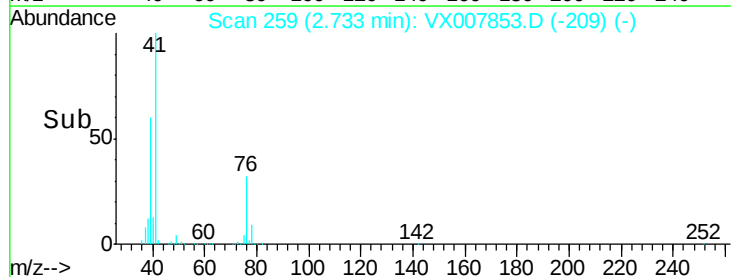
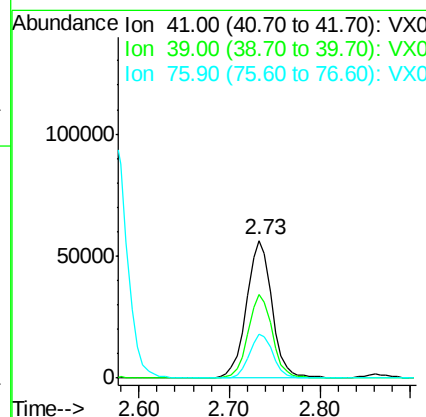
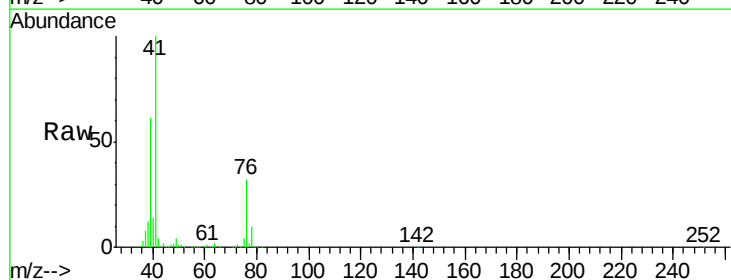
Manual Integrations
APPROVED

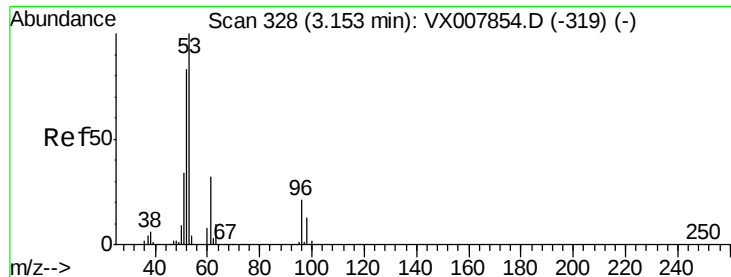
MMDadoda
3/7/2019 10:34:51 AM



#14
Allyl chloride
Concen: 19.330 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.5	46.1	69.1
76	29.6	24.0	36.0





#15

Acrylonitrile

Concen: 95.619 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

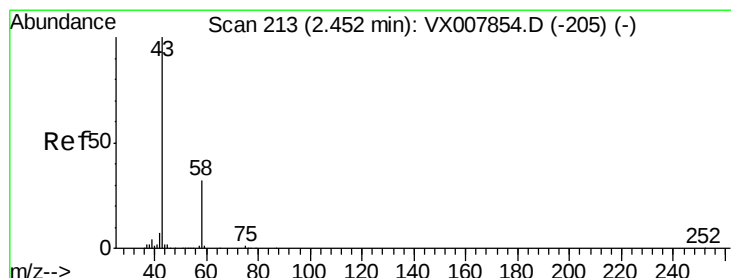
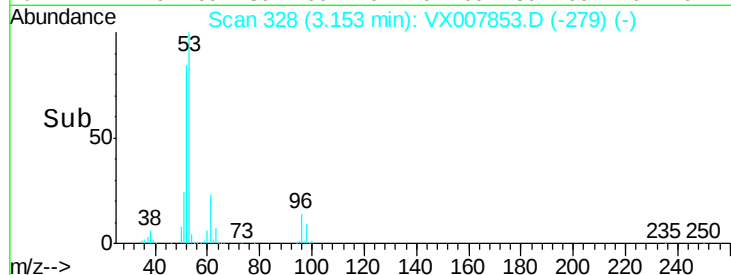
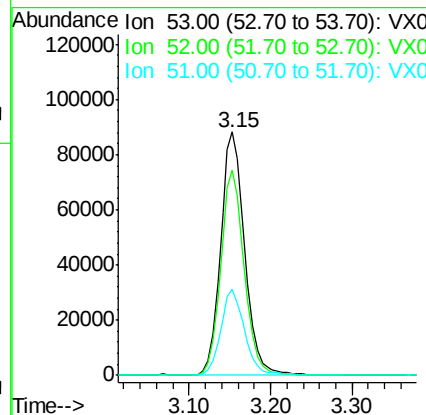
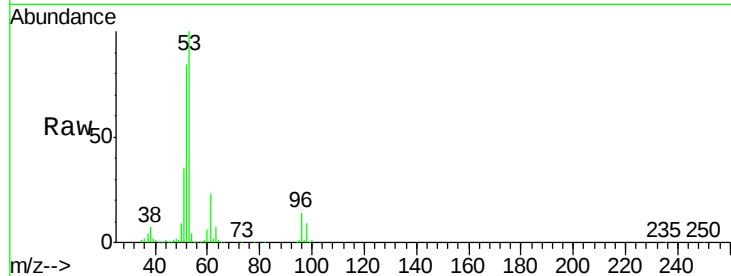
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	180043
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.0	99.0
51	35.3	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#16

Acetone

Concen: 113.042 ug/l

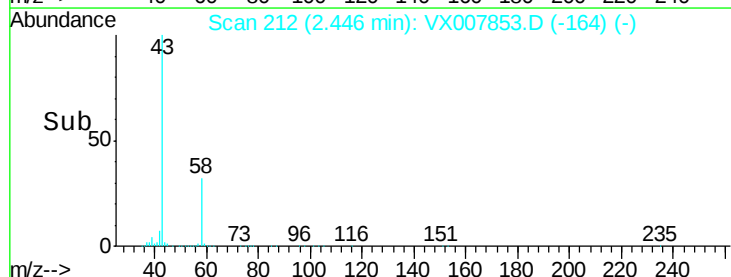
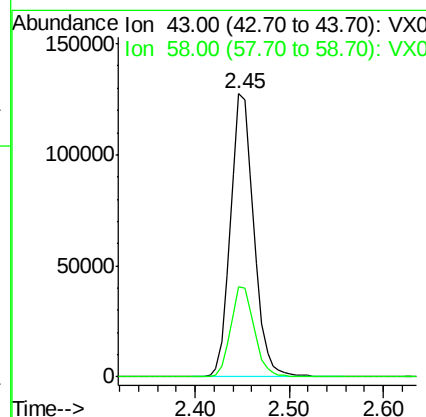
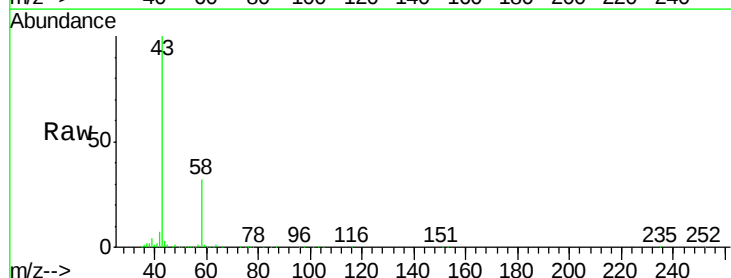
RT: 2.45 min Scan# 212

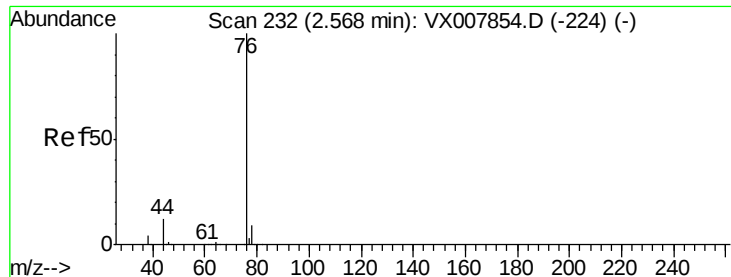
Delta R.T. -0.01 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tgt Ion:	43	Resp:	218254
Ion Ratio		Lower	Upper
43	100		
58	31.8	25.5	38.3





#17

Carbon Disulfide

Concen: 18.081 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 163326

Ion Ratio Lower Upper

76 100

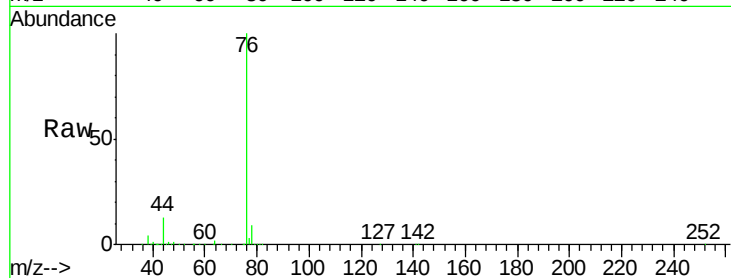
78 8.9 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:34:51 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

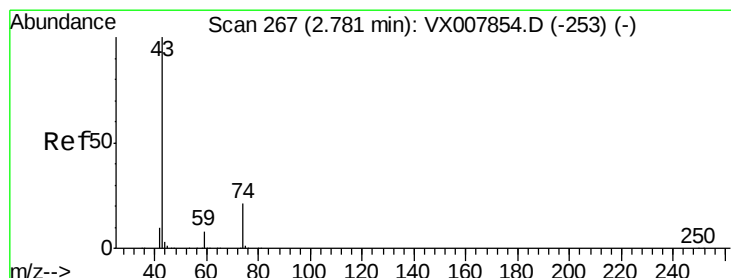
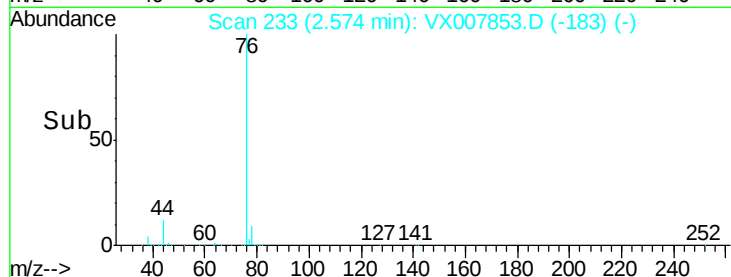
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.165 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007853.D

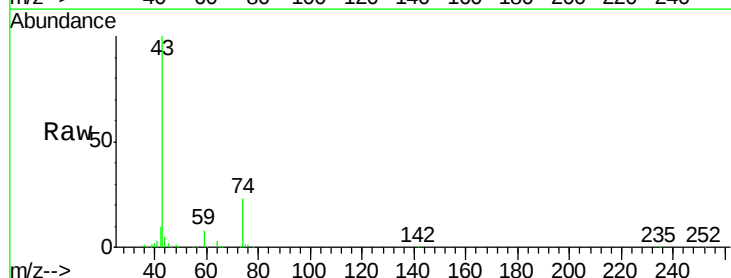
Acq: 06 Mar 2019 10:34

Tgt Ion: 43 Resp: 78610

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

50000

40000

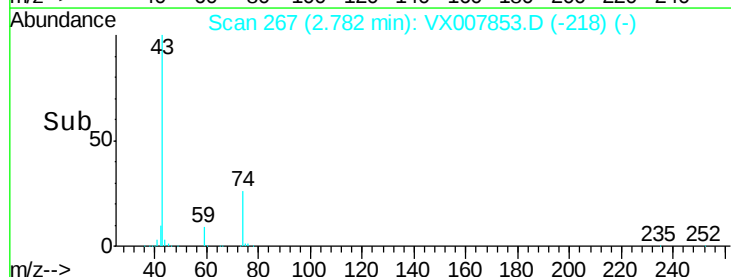
30000

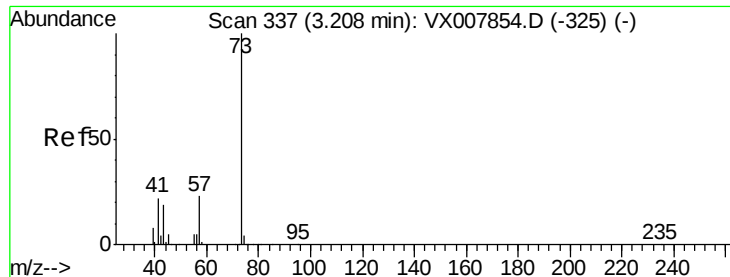
20000

10000

0

Time-->





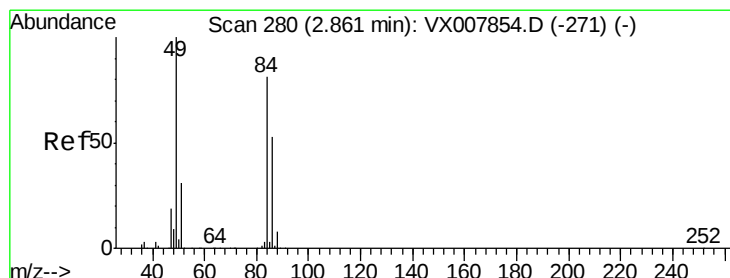
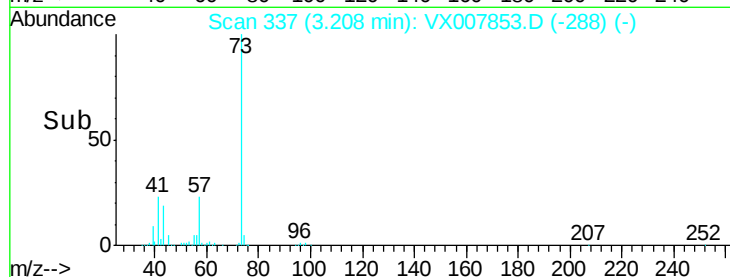
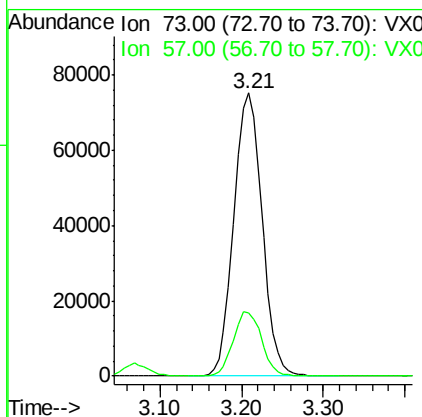
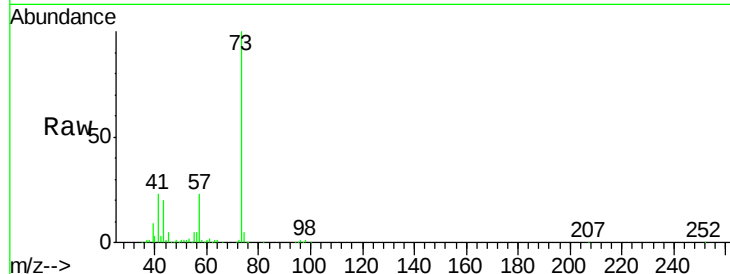
#19
Methvl tert-butvl Ether
Concen: 19.495 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.2	27.4

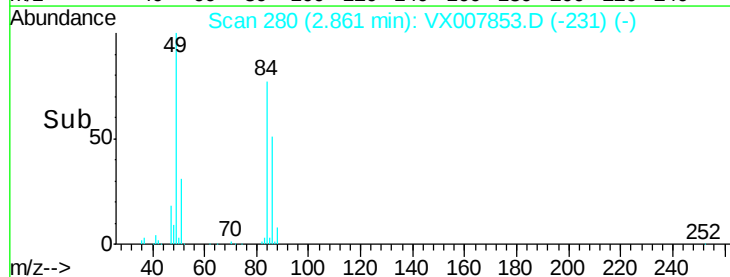
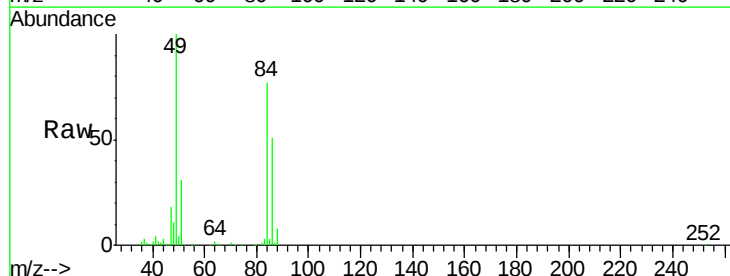
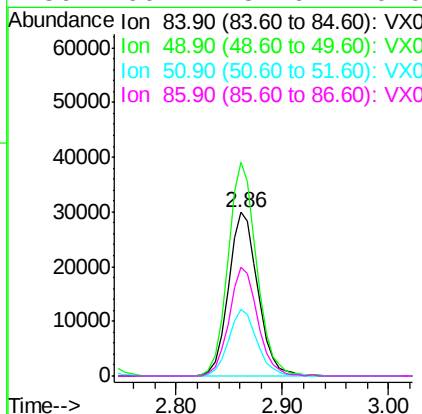
Manual Integrations
APPROVED

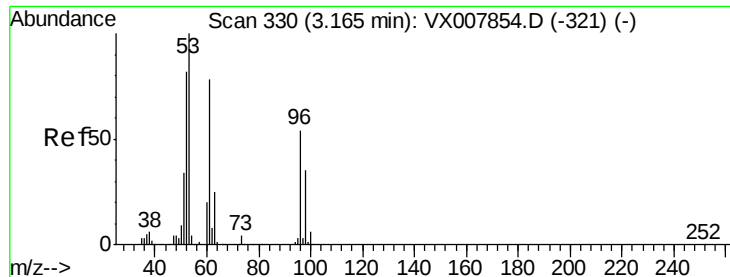
MMDadoda
3/7/2019 10:34:51 AM



#20
Methylene Chloride
Concen: 18.802 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.4	99.3	148.9
51	41.0	31.3	46.9
86	66.1	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 18.669 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

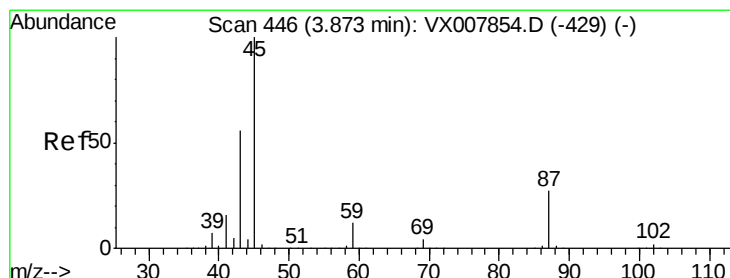
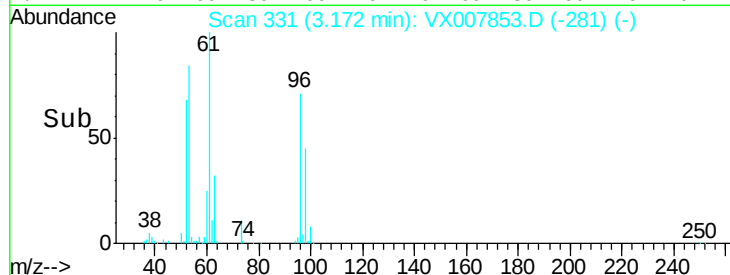
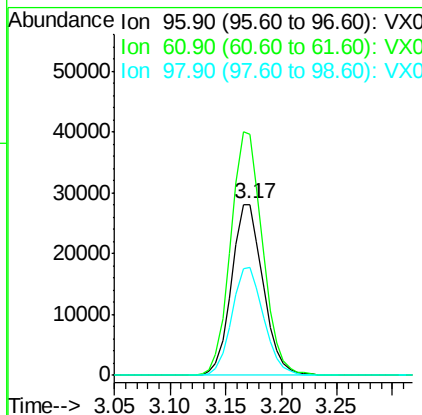
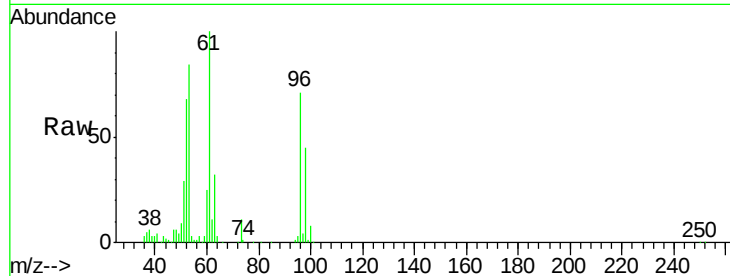
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	55264
Ion	Ratio	Lower	Upper
96	100		
61	140.5	114.4	171.6
98	63.3	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#22

Diisopropyl ether

Concen: 19.517 ug/l

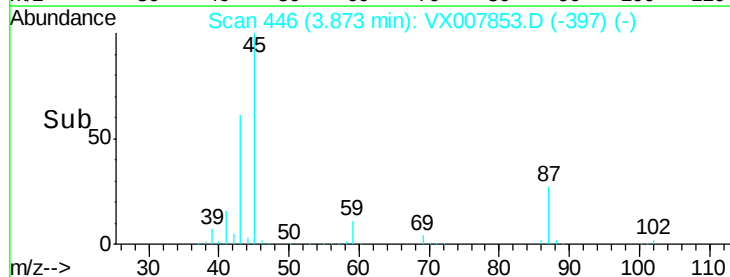
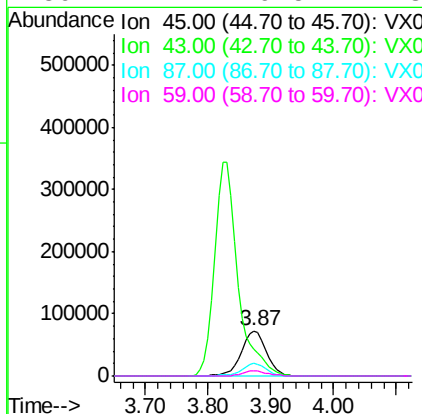
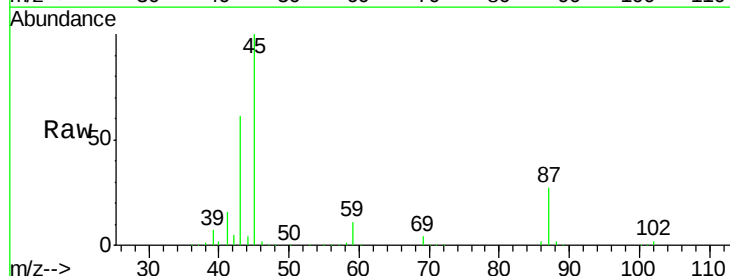
RT: 3.87 min Scan# 446

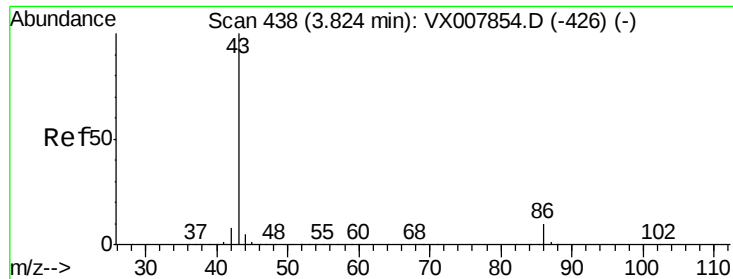
Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tgt Ion:	45	Resp:	202257
Ion	Ratio	Lower	Upper
45	100		
43	60.4	45.3	67.9
87	27.2	21.4	32.0
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 98.248 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 892841

Ion Ratio Lower Upper

43 100

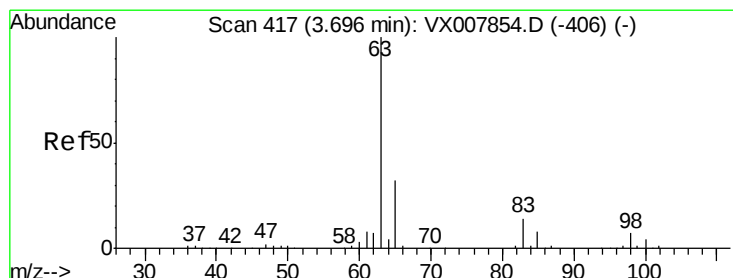
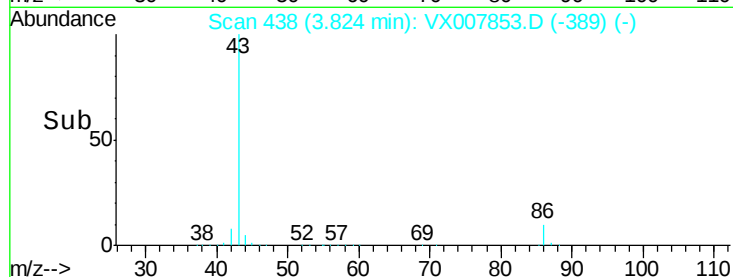
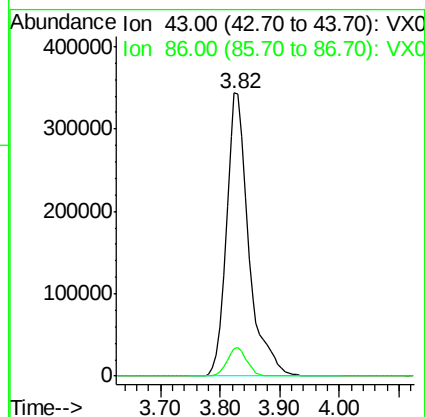
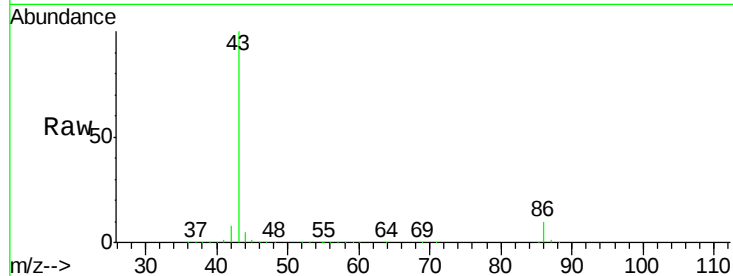
86 9.8 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:34:51 AM



#24

1,1-Dichloroethane

Concen: 19.523 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

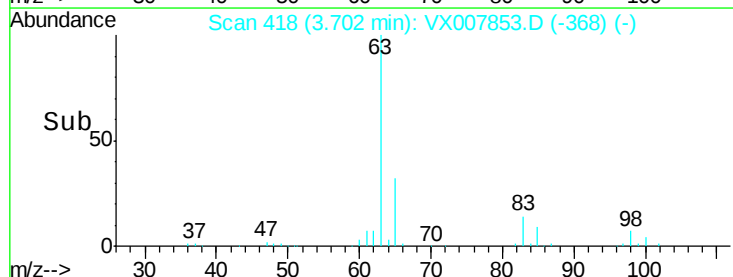
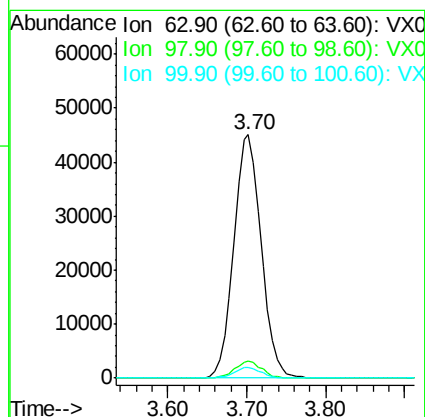
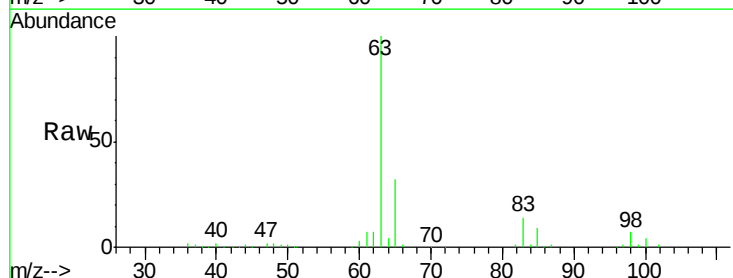
Tgt Ion: 63 Resp: 108877

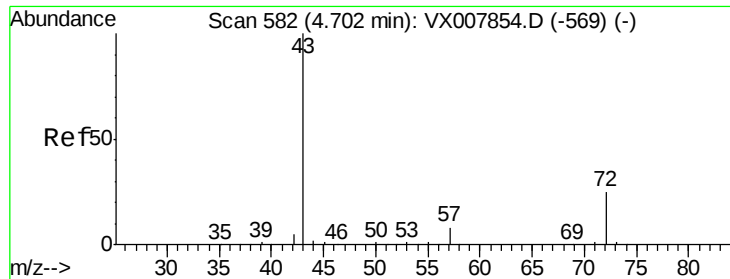
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 103.921 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 284060

Ion Ratio Lower Upper

43 100

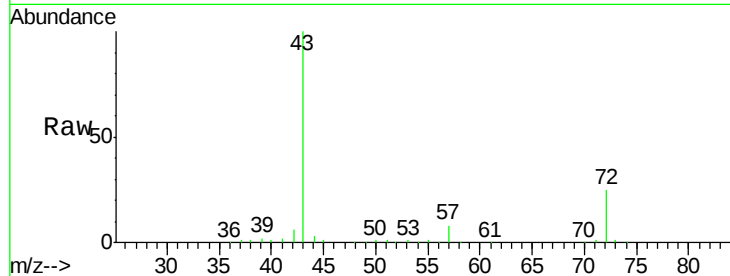
72 24.6 19.9 29.9

Manual Integrations

APPROVED

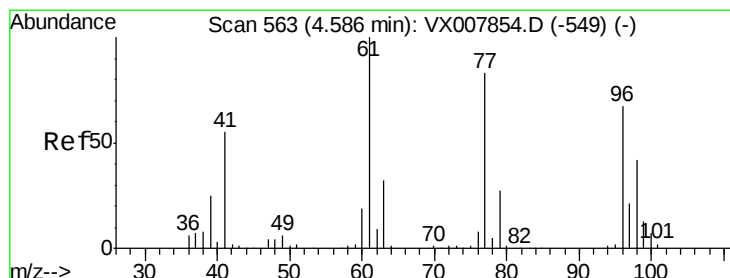
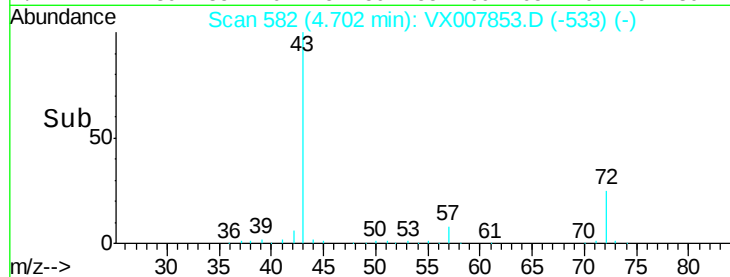
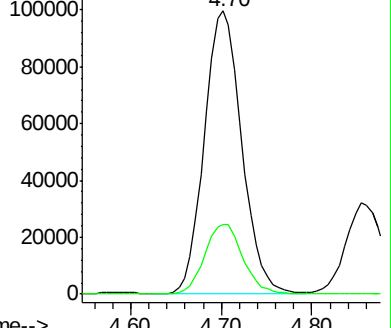
MMDadoda

3/7/2019 10:34:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.170 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007853.D

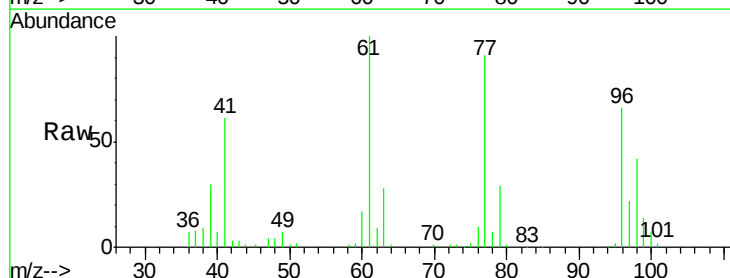
Acq: 06 Mar 2019 10:34

Tgt Ion: 77 Resp: 70829

Ion Ratio Lower Upper

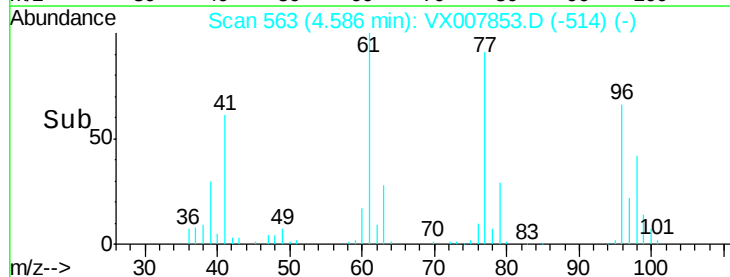
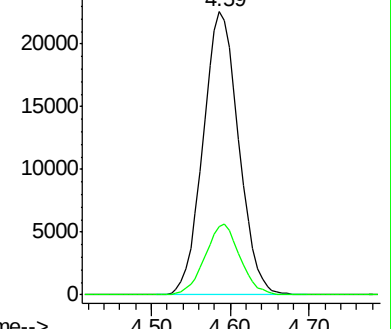
77 100

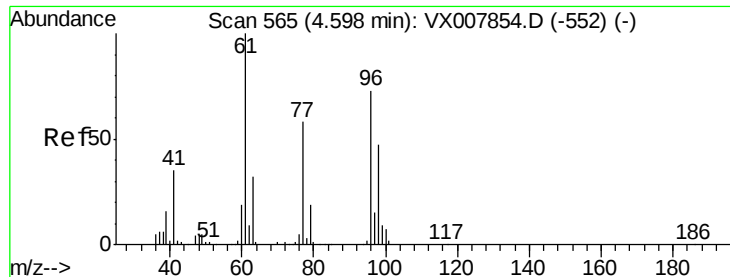
97 24.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

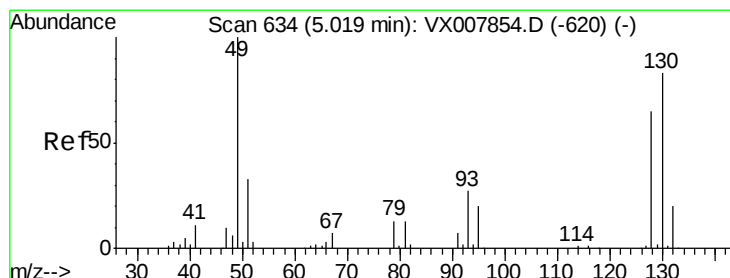
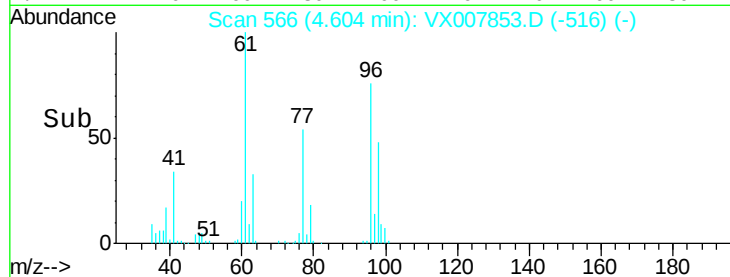
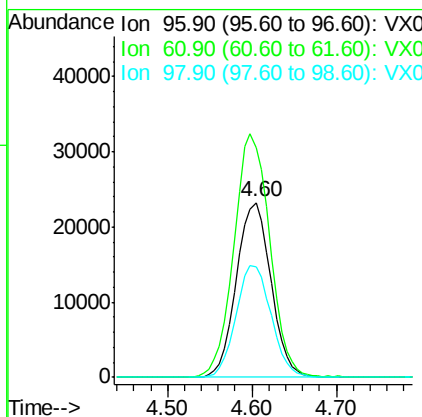
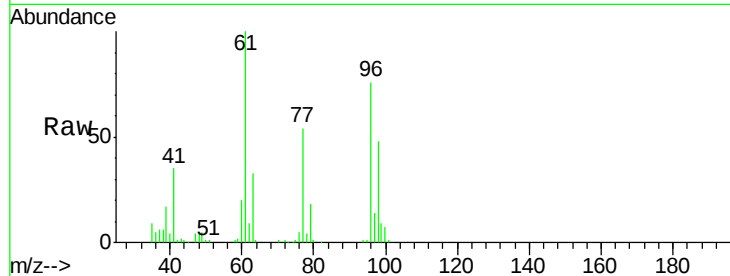
cis-1,2-Dichloroethene
 Concen: 19.067 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	288.0
98	65.0	0.0	129.0

Manual Integrations
 APPROVED

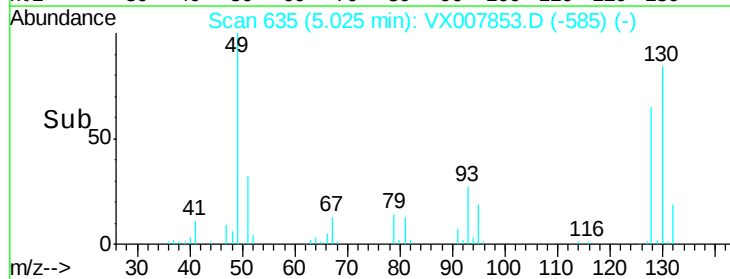
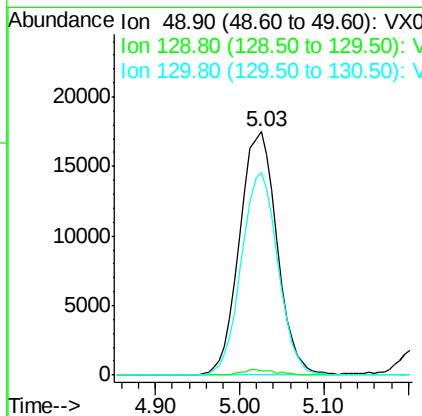
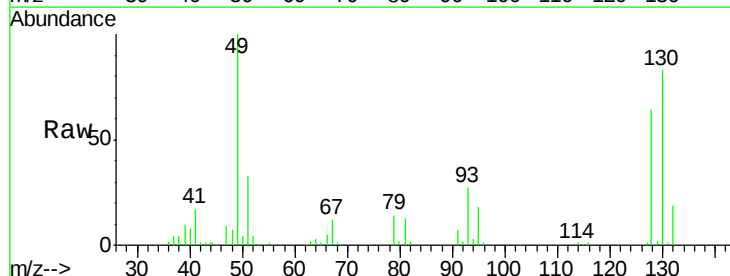
MMDadoda
 3/7/2019 10:34:51 AM

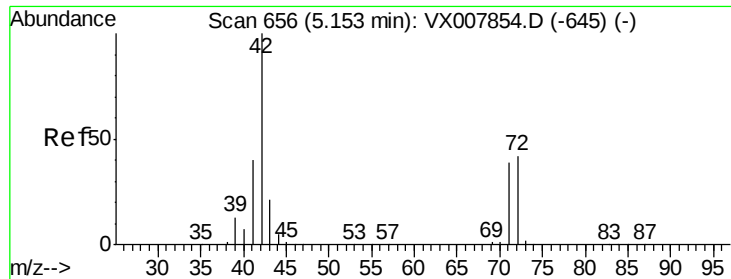


#28

Bromochloromethane
 Concen: 20.386 ug/l
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	81.0	65.0	97.4





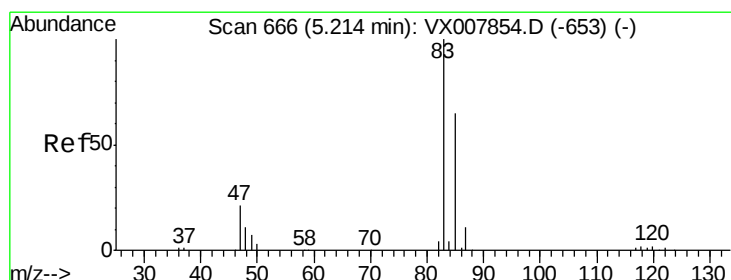
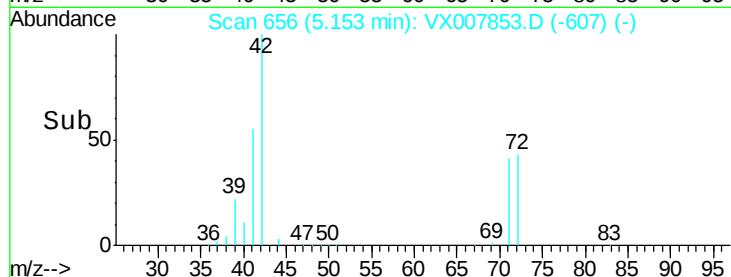
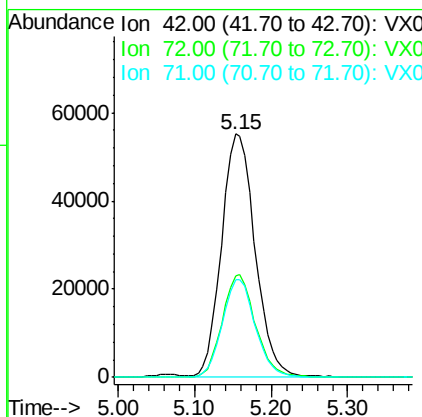
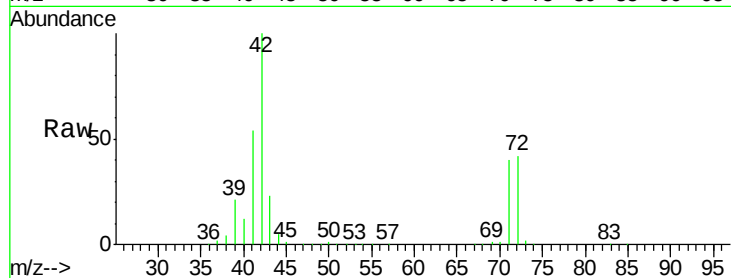
#29
Tetrahydrofuran
Concen: 97.814 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.8	50.6
71	39.8	31.5	47.3

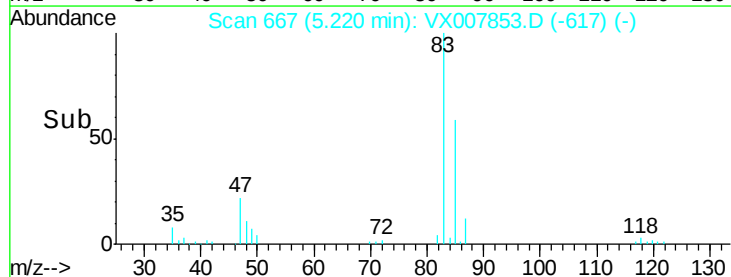
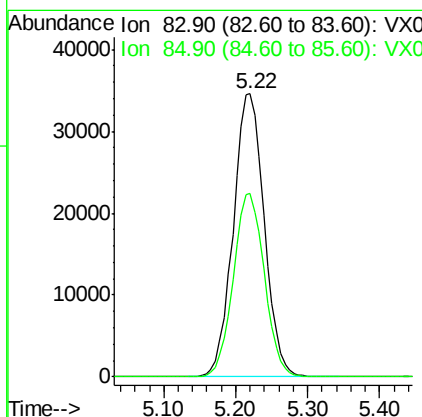
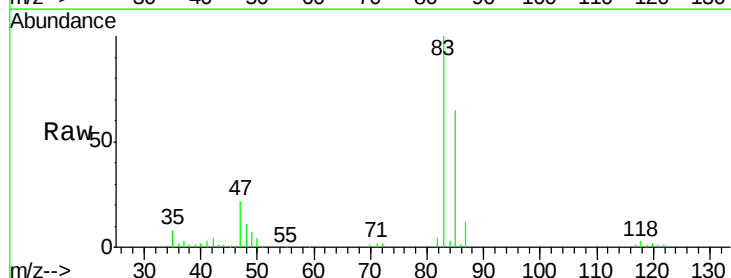
Manual Integrations
APPROVED

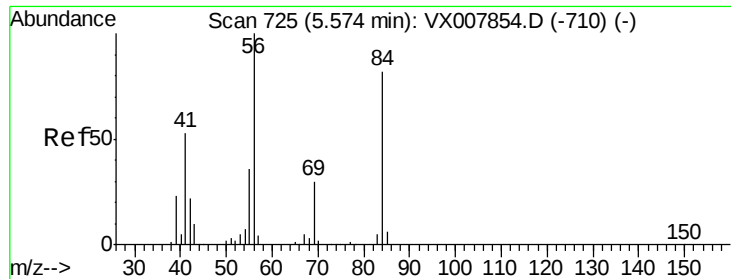
MMDadoda
3/7/2019 10:34:51 AM



#30
Chloroform
Concen: 19.582 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





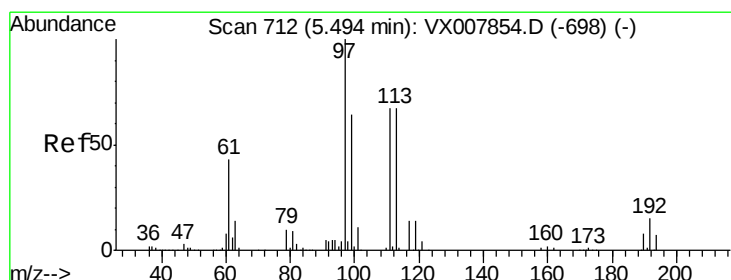
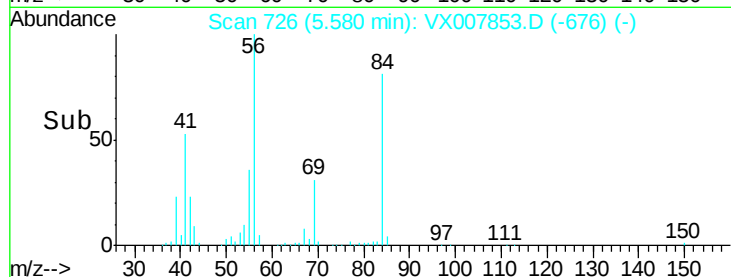
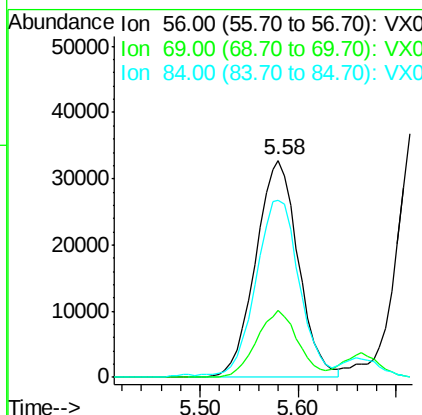
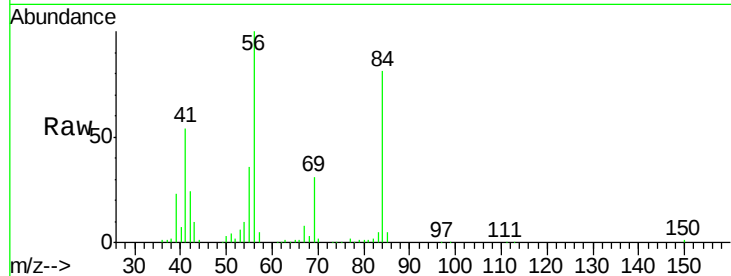
#31
Cyclohexane
Concen: 19.403 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.0	36.0
84	80.1	65.3	97.9

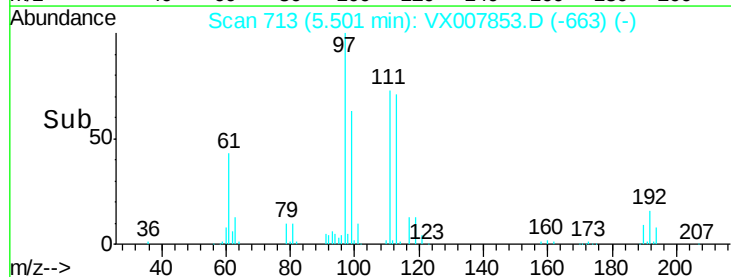
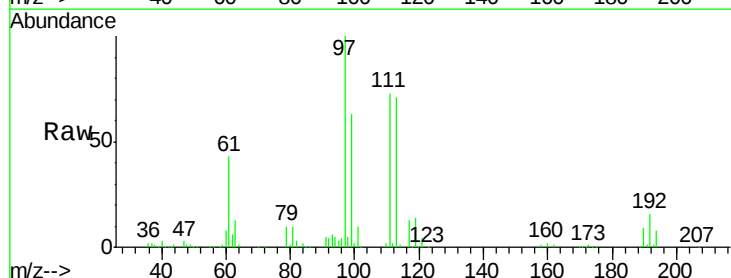
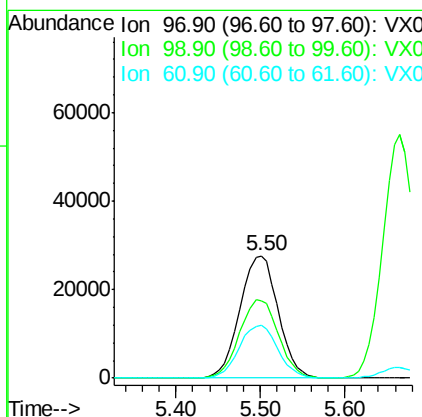
Manual Integrations
APPROVED

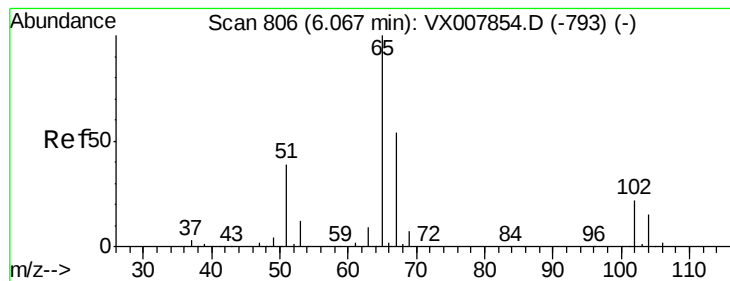
MMDadoda
3/7/2019 10:34:51 AM



#32
1,1,1-Trichloroethane
Concen: 19.507 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.2
61	44.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 19.634 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tot Ion: 65 Resp: 65493

Ion Ratio Lower Upper

65 100

67 56.0 0.0 110.0

Instrument :

MSVOA_X

ClientSampleId :

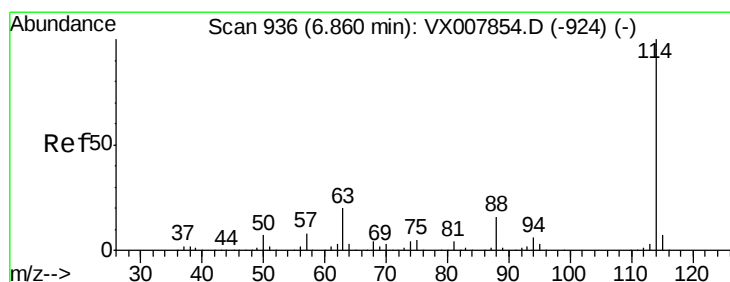
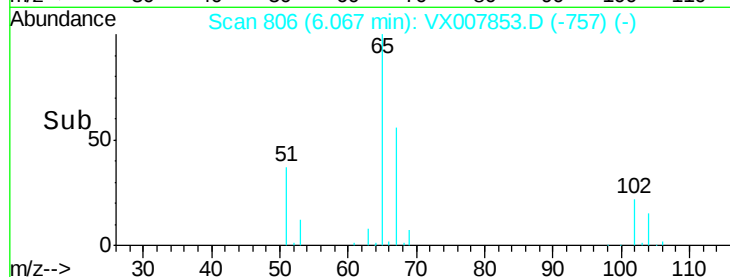
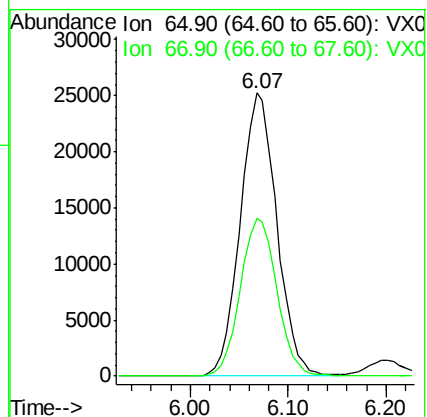
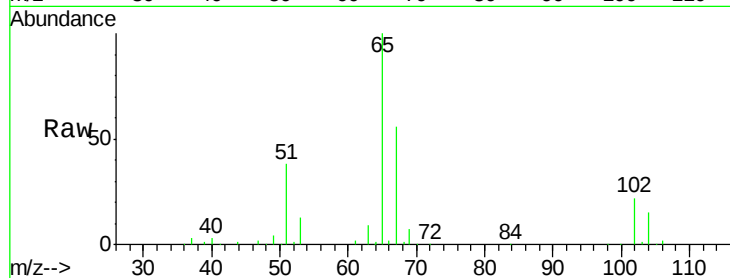
VSTDIC020

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:34:51 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

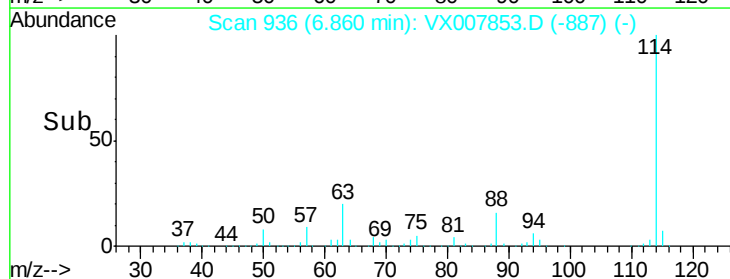
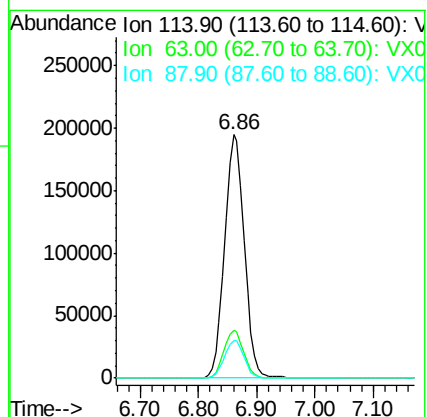
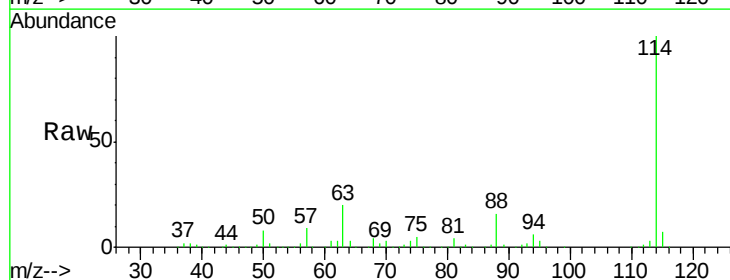
Tgt Ion: 114 Resp: 459358

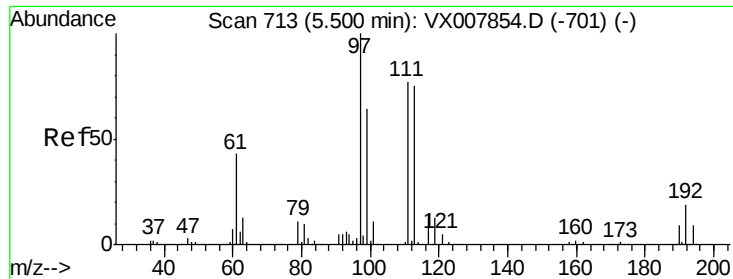
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 15.6 0.0 31.4





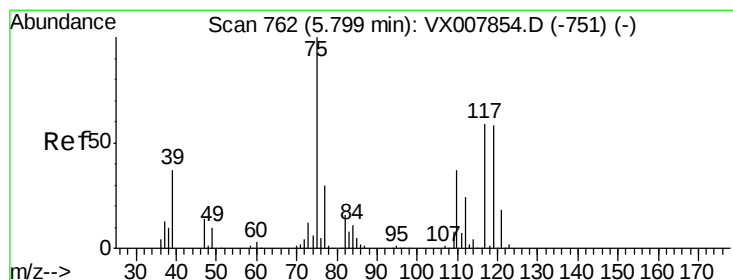
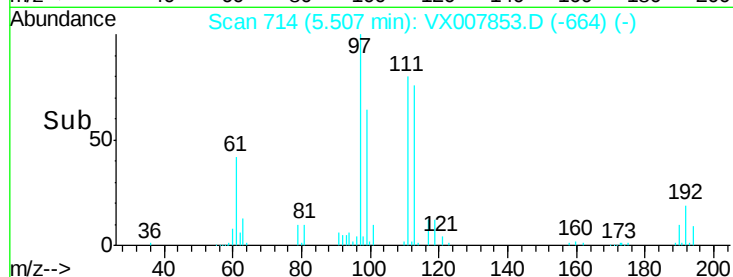
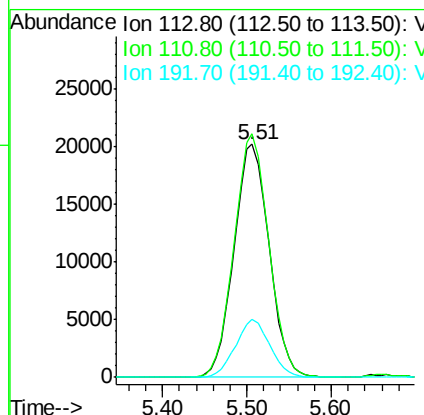
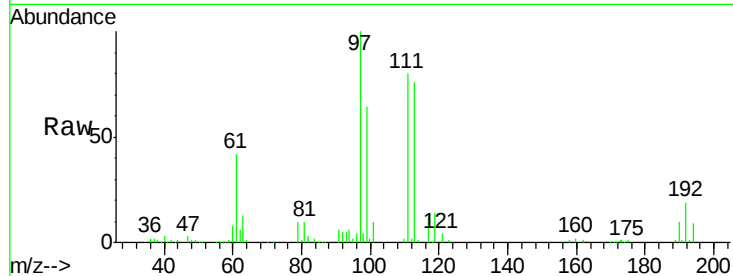
#35
 Dibromofluoromethane
 Concen: 19.471 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	57213		
111	103.1	81.4	122.0	
192	24.2	19.4	29.0	

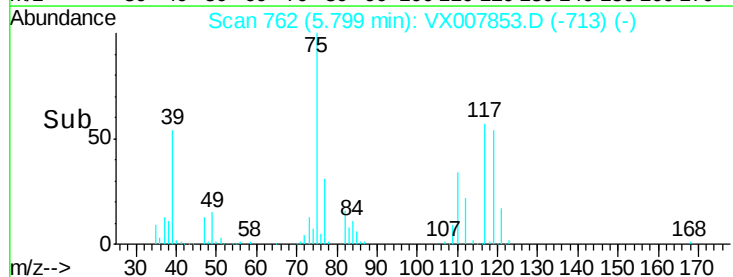
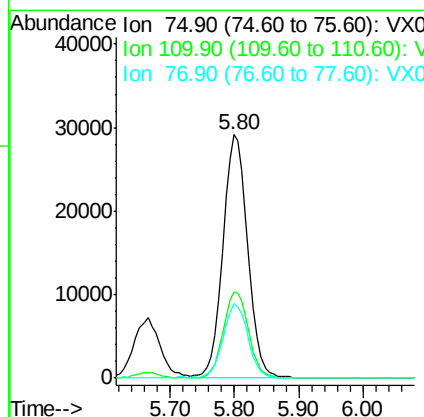
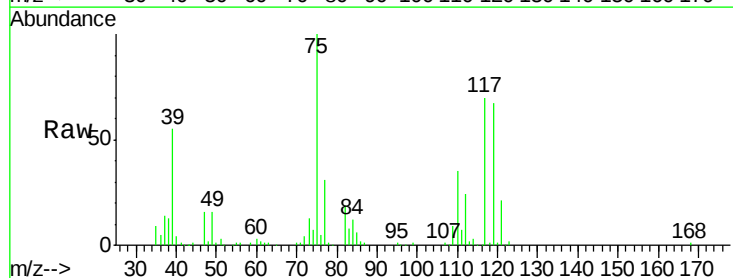
Manual Integrations
 APPROVED

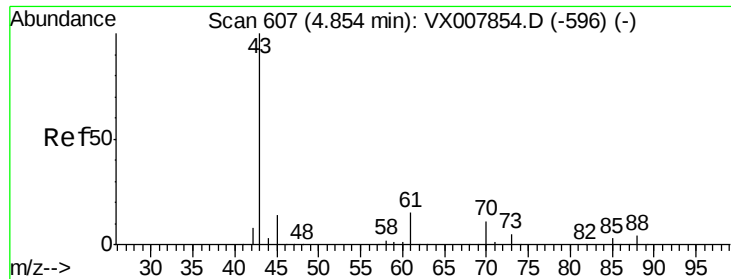
MMDadoda
 3/7/2019 10:34:51 AM



#36
 1,1-Dichloropropene
 Concen: 19.082 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79368		
110	36.1	18.4	55.0	
77	30.8	25.0	37.4	





#37

Ethyl Acetate

Concen: 19.091 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

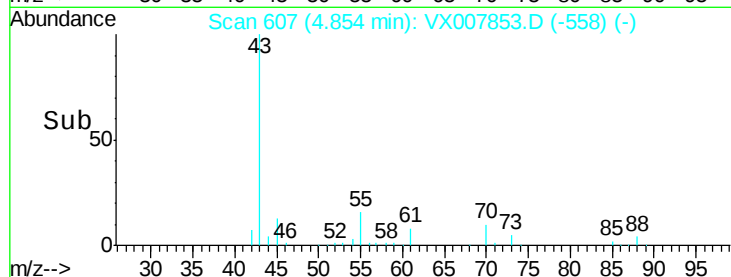
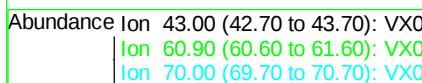
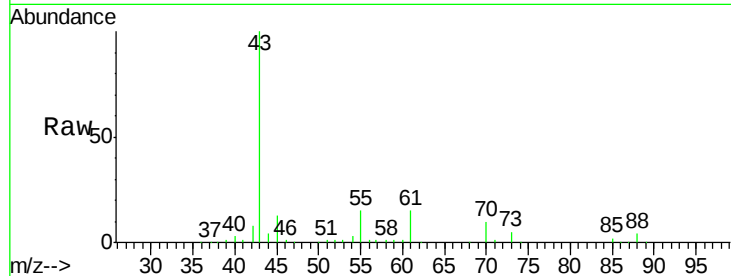
ClientSampled :

VSTDIC020

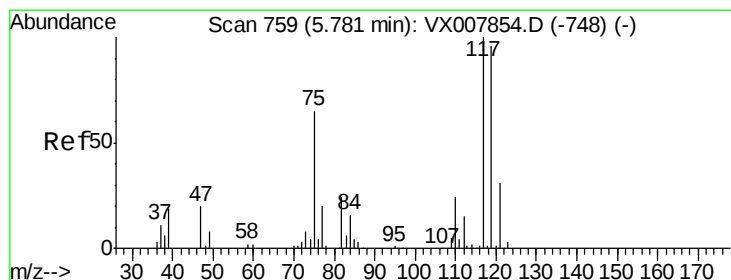
Tot Ion:	43	Resp:	94231
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



Time-->



#38

Carbon Tetrachloride

Concen: 19.371 ug/l

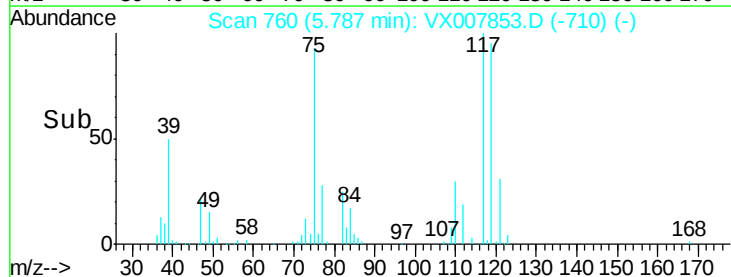
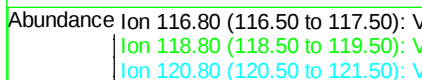
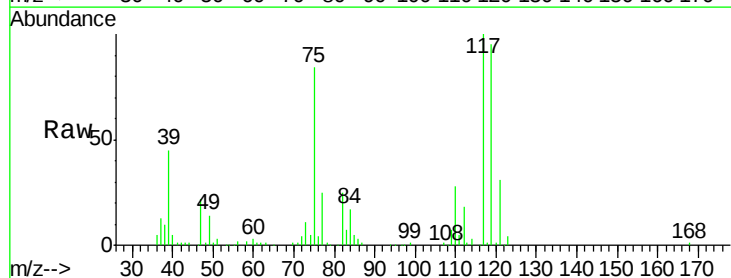
RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

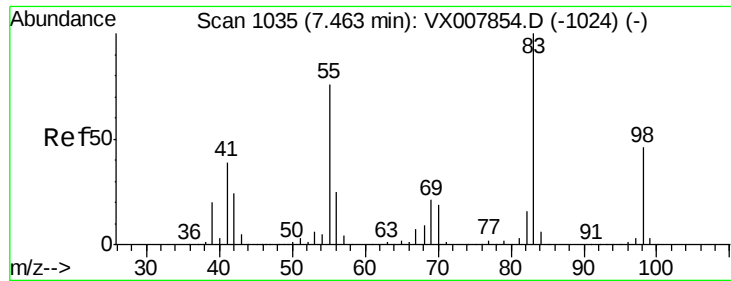
Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tgt Ion:	117	Resp:	76494
Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.2	114.2
121	31.3	24.6	36.8



Time-->



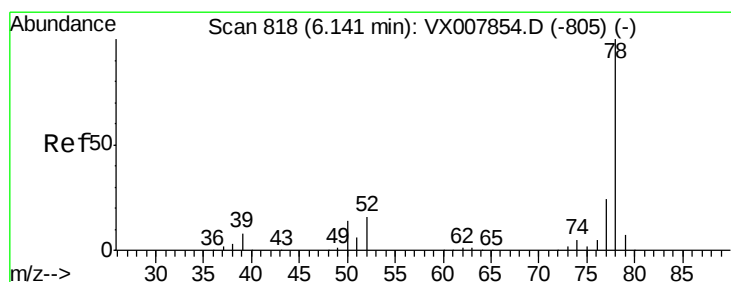
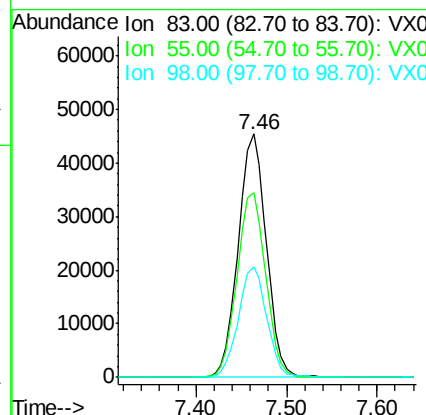
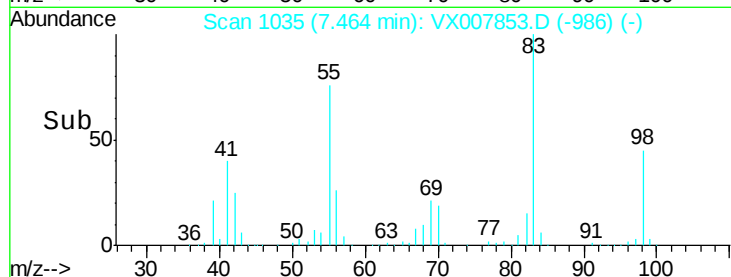
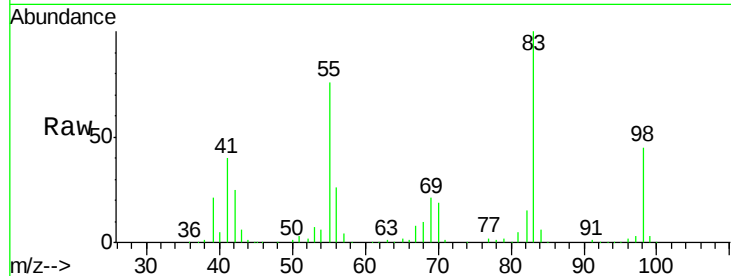
#39
Methylvlcvclohexane
Concen: 19.407 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.4	90.6
98	45.4	36.5	54.7

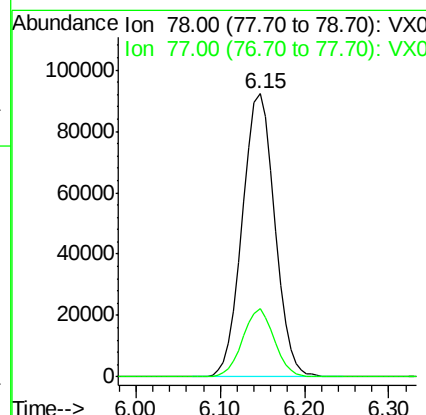
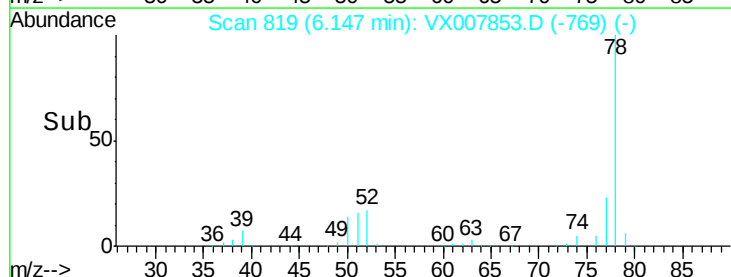
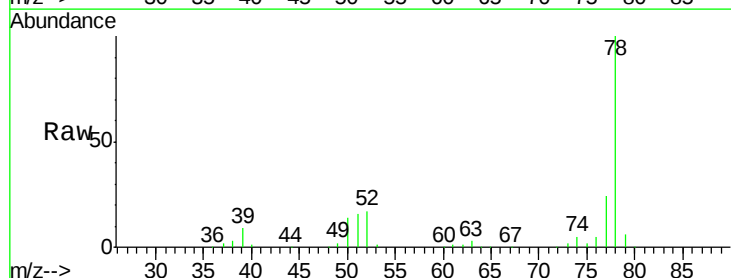
Manual Integrations
APPROVED

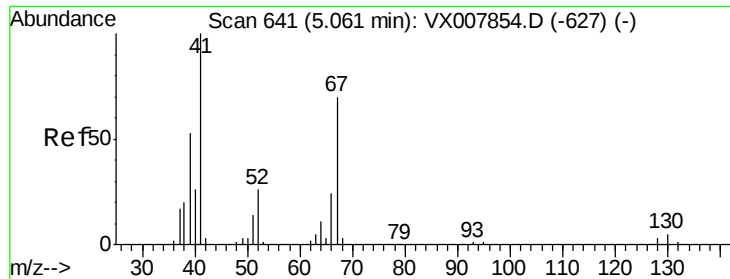
MMDadoda
3/7/2019 10:34:51 AM



#40
Benzene
Concen: 19.416 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





#41

Methacrylonitrile

Concen: 19.597 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

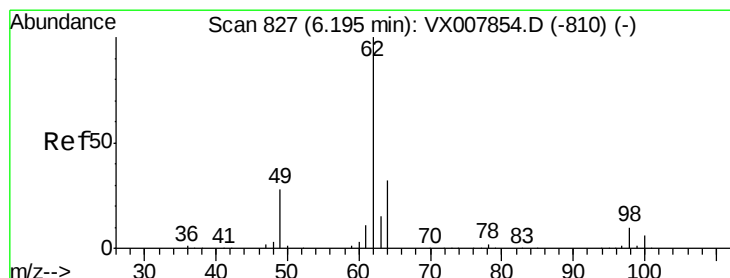
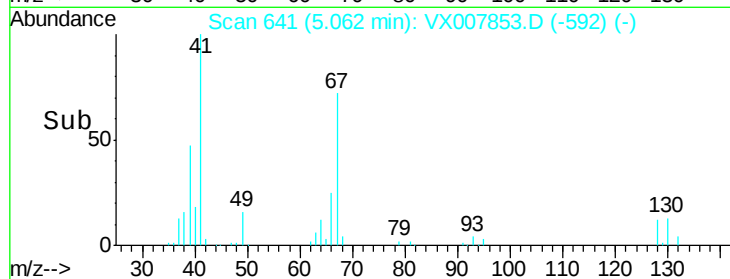
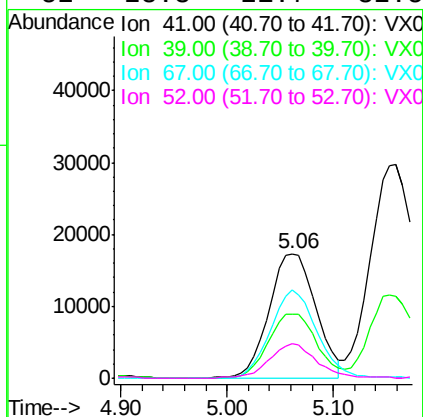
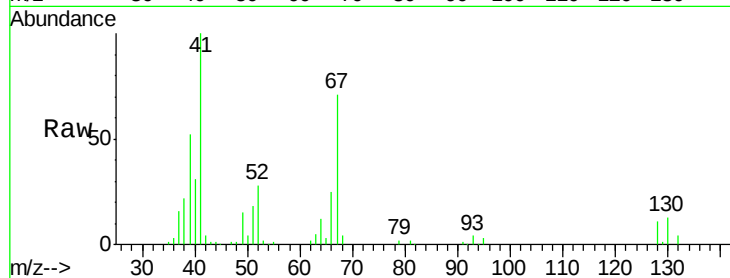
ClientSampled :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	41.6	62.4	
67	70.2	55.8	83.6	
52	28.3	21.7	32.5	

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#42

1,2-Dichloroethane

Concen: 19.562 ug/l

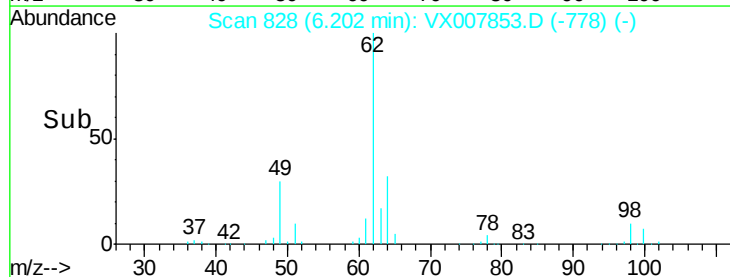
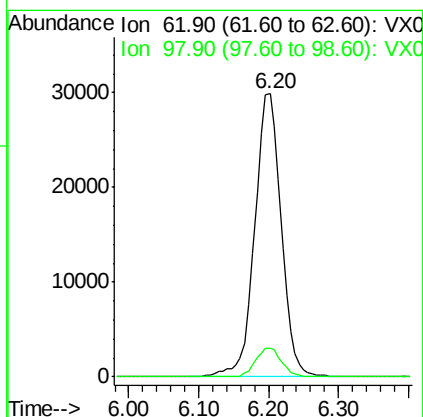
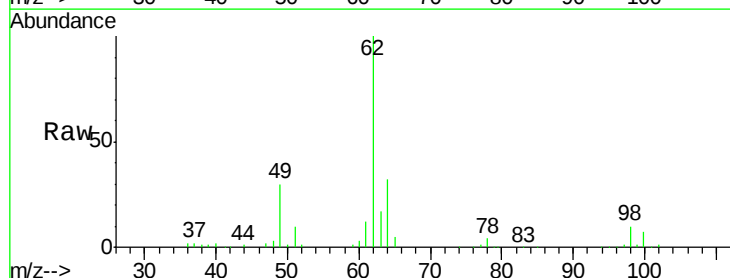
RT: 6.20 min Scan# 828

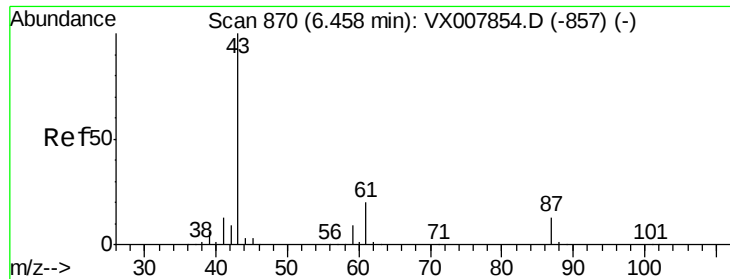
Delta R.T. 0.01 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.4	





#43

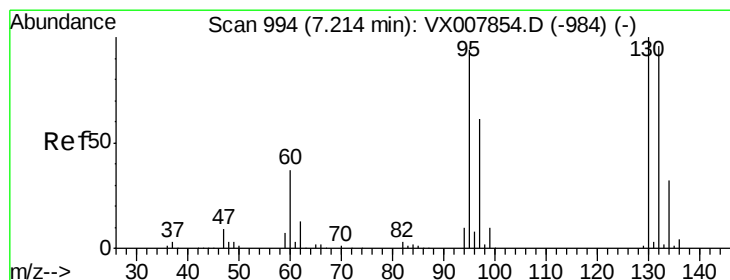
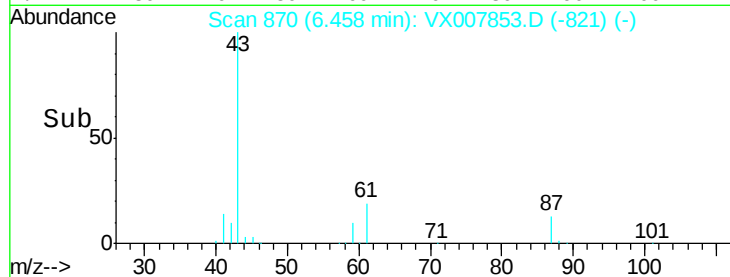
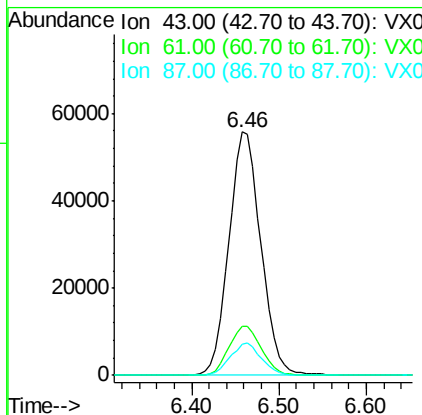
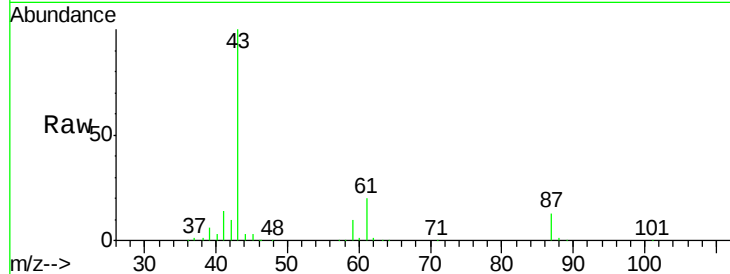
Isopropyl Acetate
 Concen: 19.314 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.3	24.5
87	13.0	10.5	15.7

Manual Integrations
 APPROVED

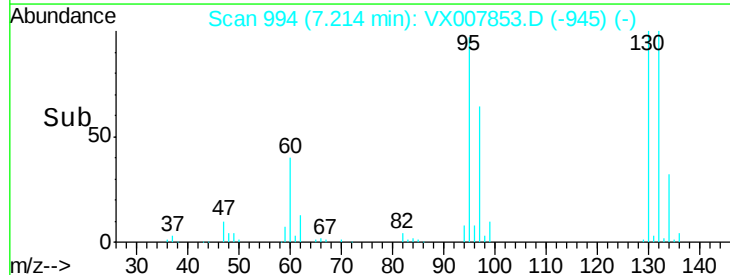
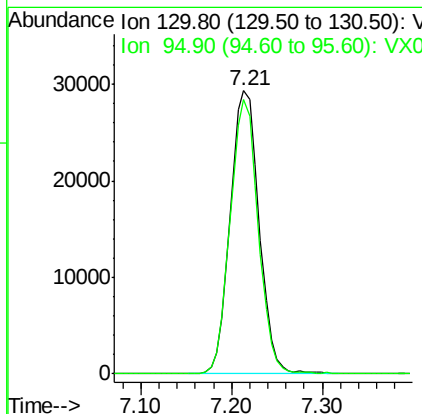
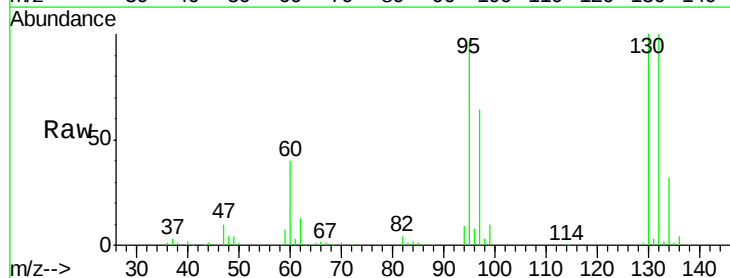
MMDadoda
 3/7/2019 10:34:51 AM

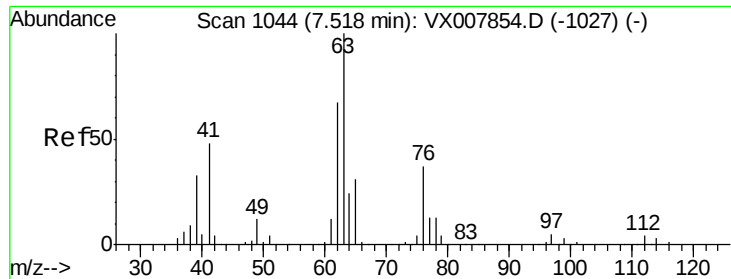


#44

Trichloroethene
 Concen: 18.978 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.907 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 65107

Ion Ratio Lower Upper

63 100

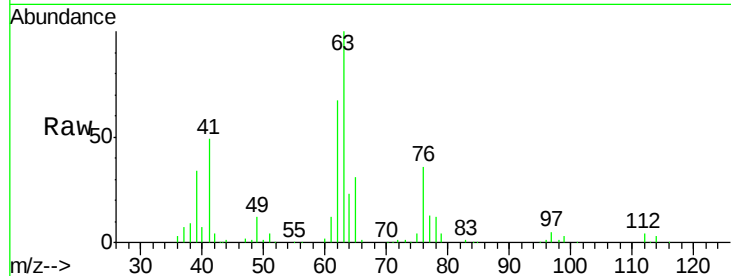
65 31.0 24.7 37.1

Manual Integrations

APPROVED

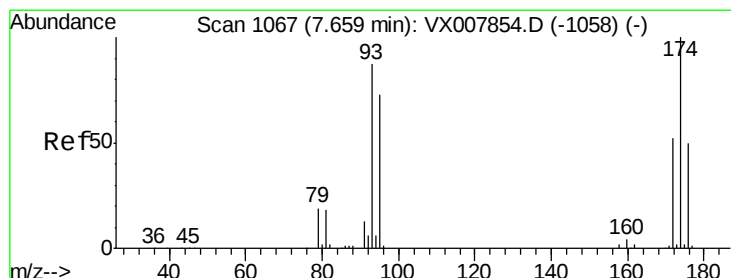
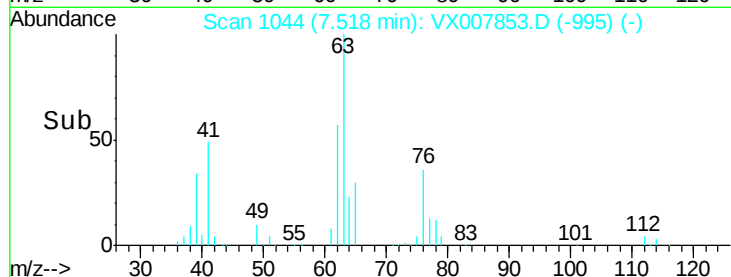
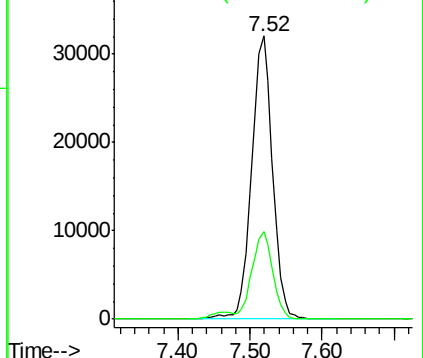
MMDadoda

3/7/2019 10:34:51 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.508 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

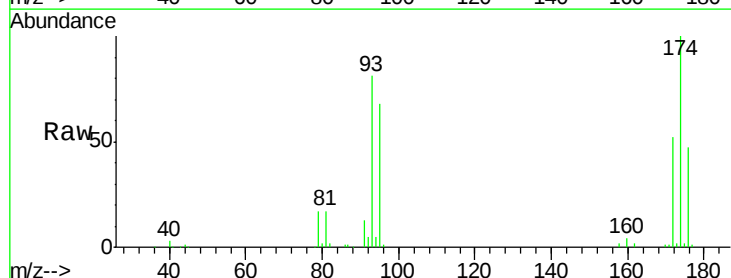
Tgt Ion: 93 Resp: 40376

Ion Ratio Lower Upper

93 100

95 82.6 66.8 100.2

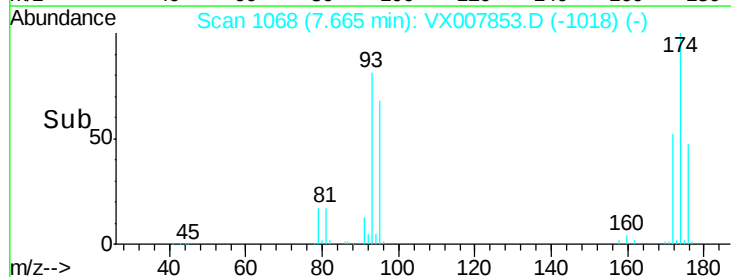
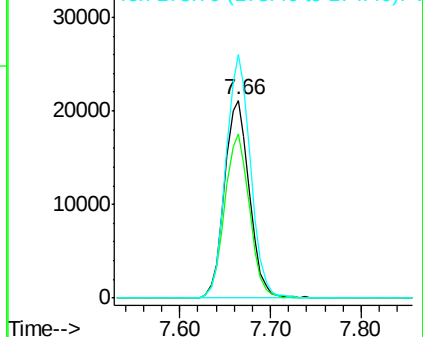
174 120.9 97.3 145.9

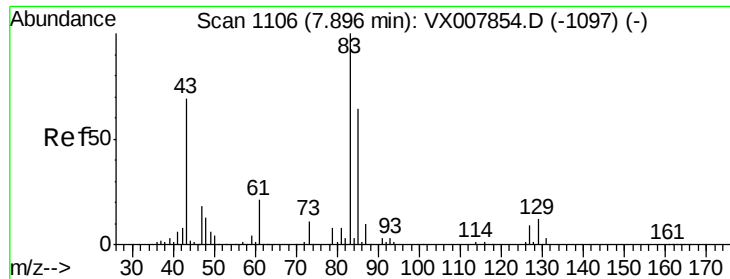


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.705 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

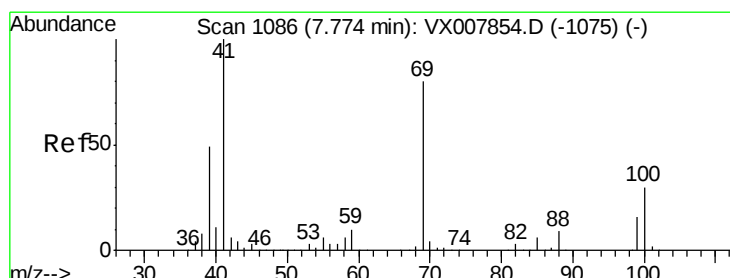
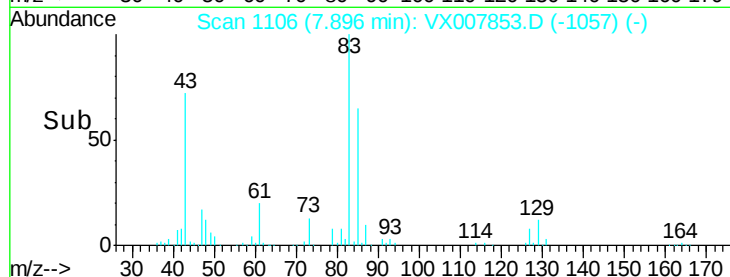
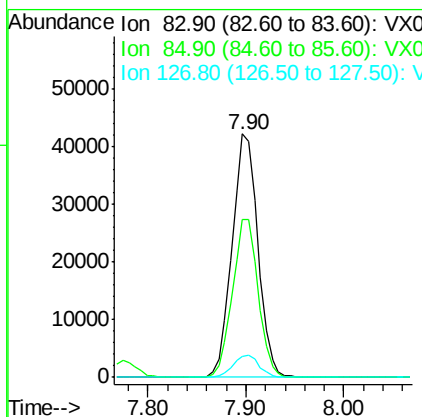
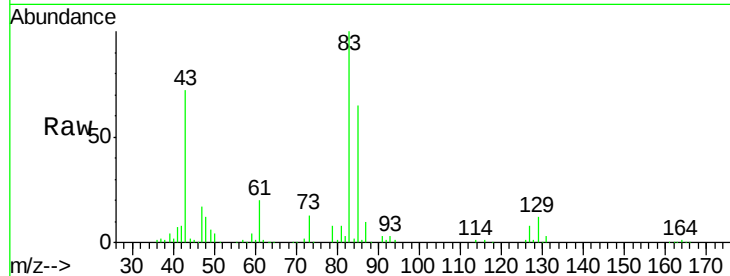
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	77326
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3
127	8.5	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#48

Methyl methacrylate

Concen: 19.448 ug/l

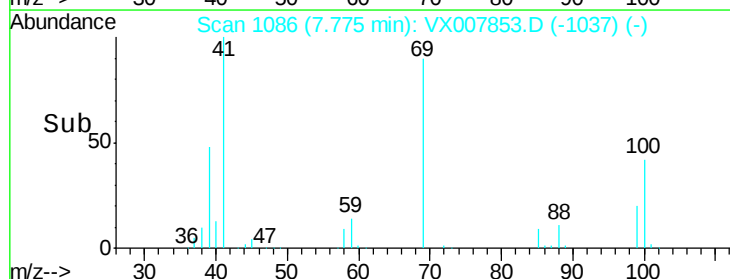
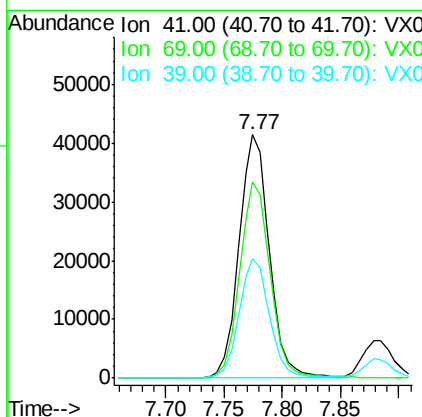
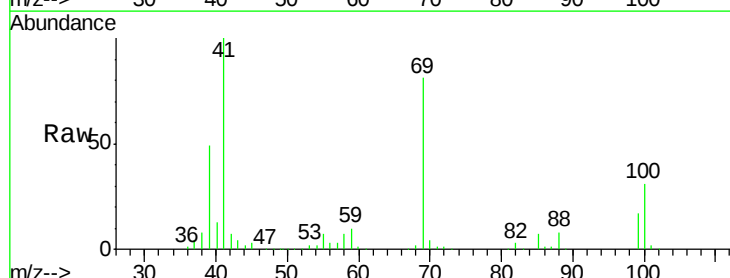
RT: 7.77 min Scan# 1086

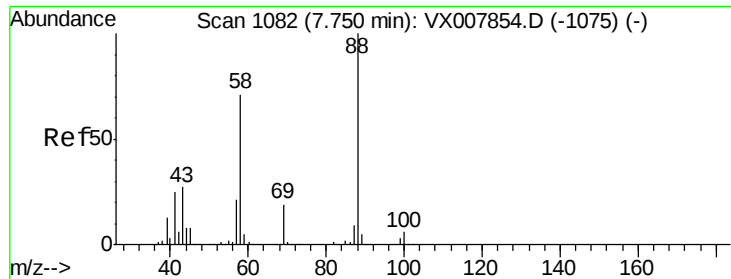
Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tgt Ion:	41	Resp:	74695
Ion	Ratio	Lower	Upper
41	100		
69	81.3	65.2	97.8
39	49.9	39.4	59.2





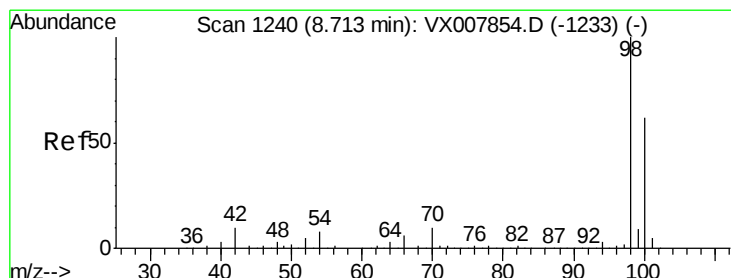
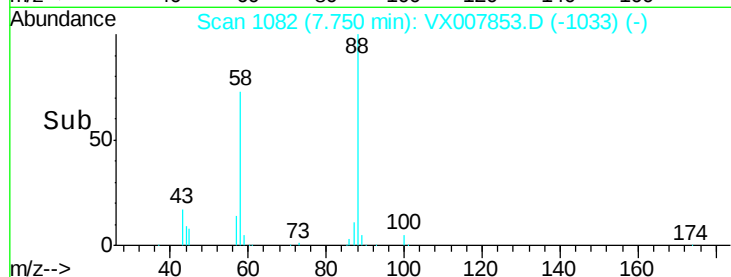
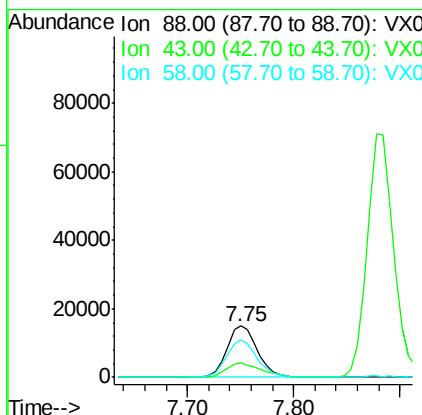
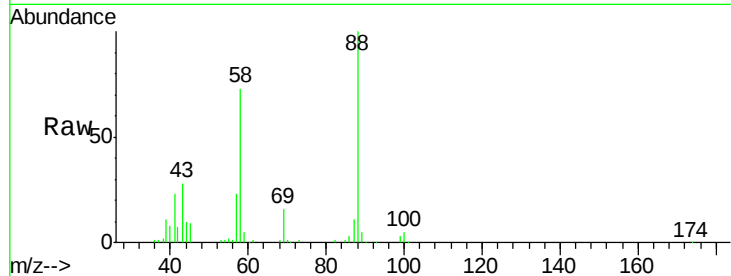
#49
1,4-Dioxane
Concen: 379.348 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.1	37.7
58	75.2	57.8	86.6

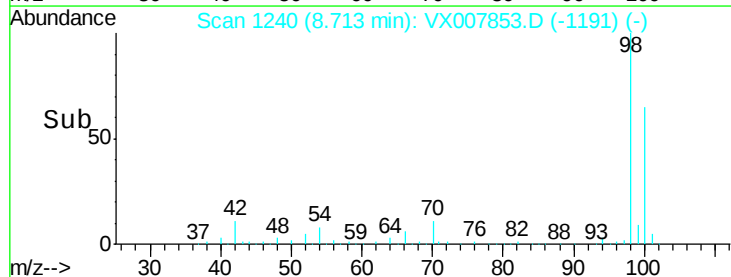
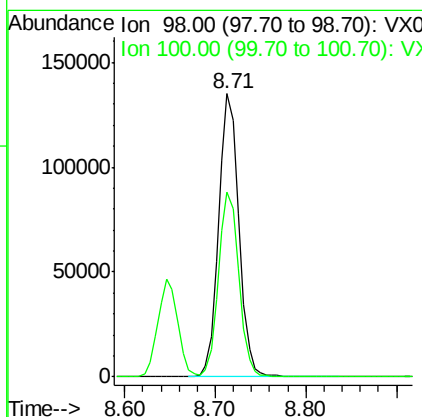
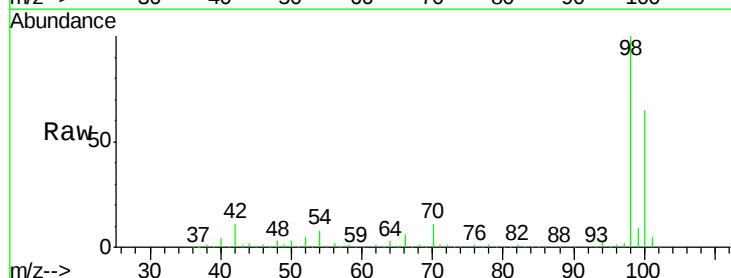
Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#50
Toluene-d8
Concen: 19.539 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 101.278 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 475792

Ion Ratio Lower Upper

43 100

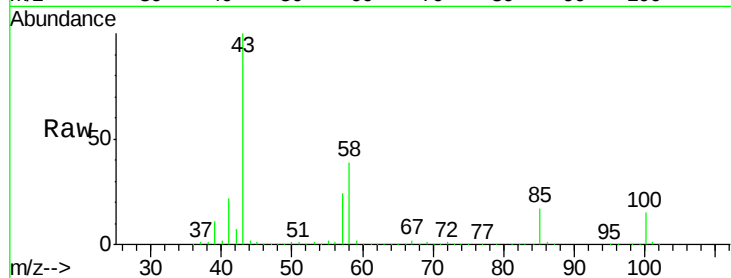
58 38.8 31.3 46.9

Manual Integrations

APPROVED

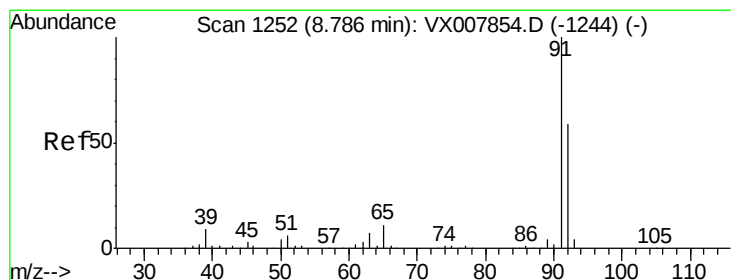
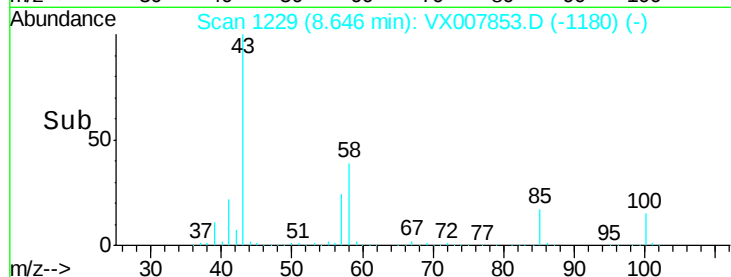
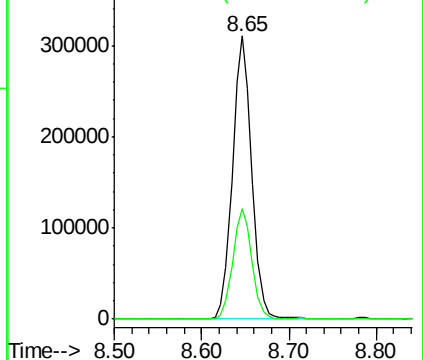
MMDadoda

3/7/2019 10:34:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.471 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007853.D

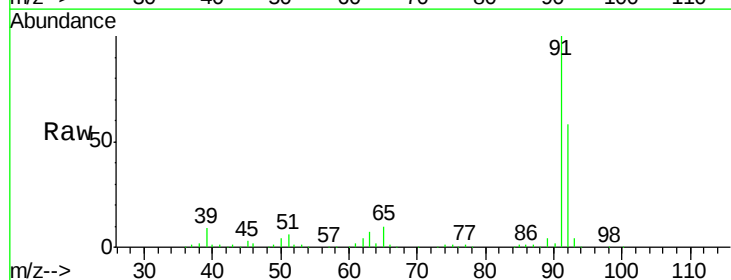
Acq: 06 Mar 2019 10:34

Tgt Ion: 92 Resp: 147198

Ion Ratio Lower Upper

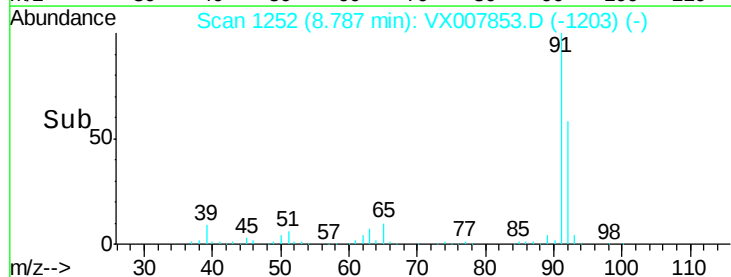
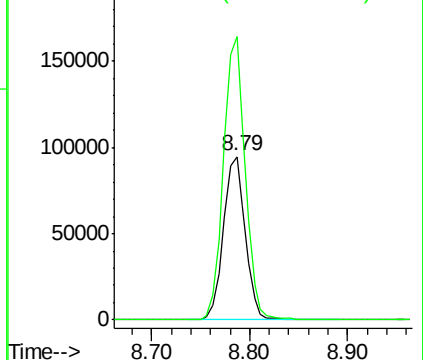
92 100

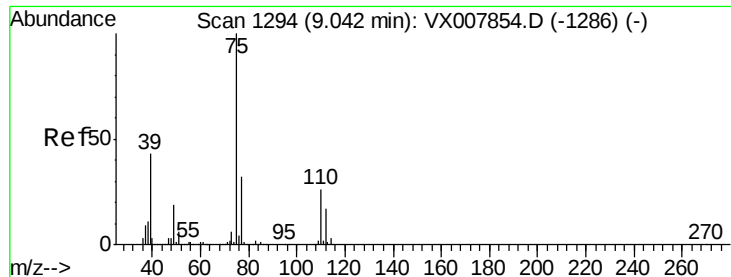
91 172.4 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





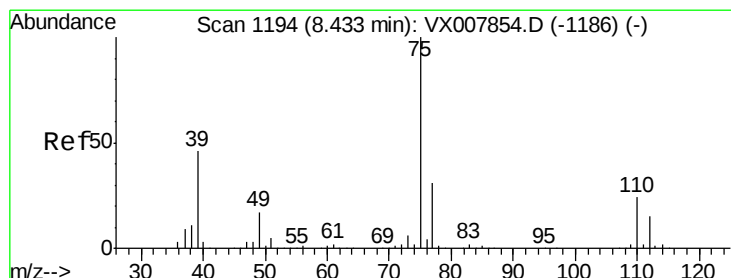
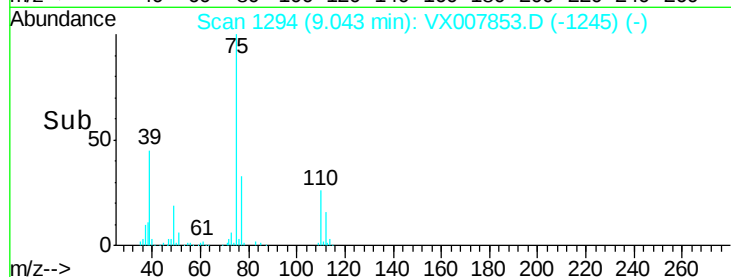
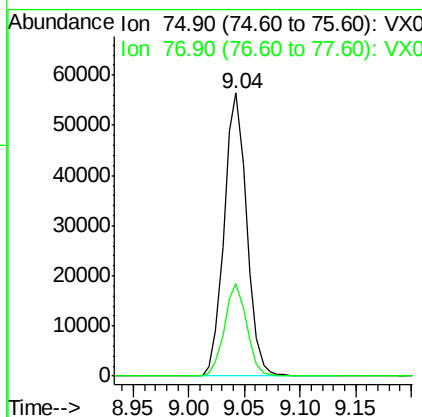
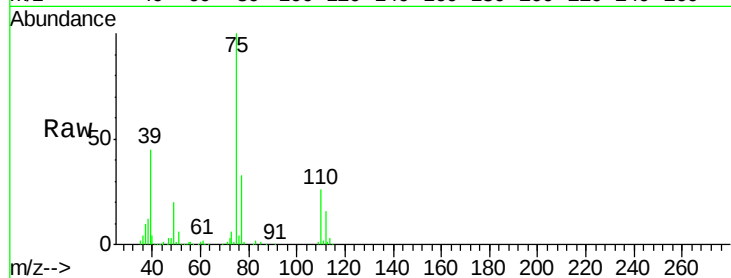
#53
t-1,3-Dichloropropene
Concen: 19.350 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 79252
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0

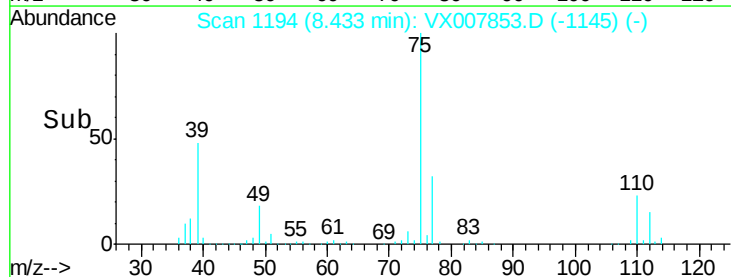
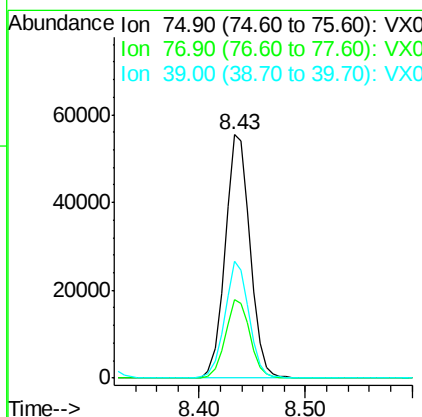
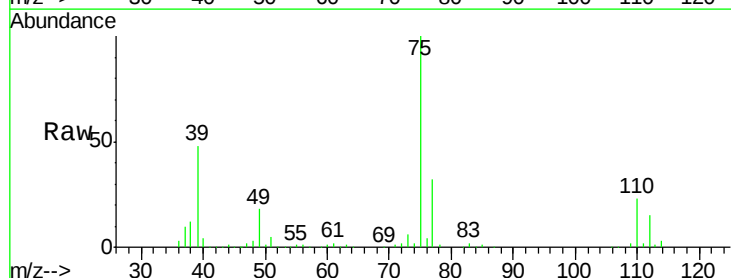
Manual Integrations
APPROVED

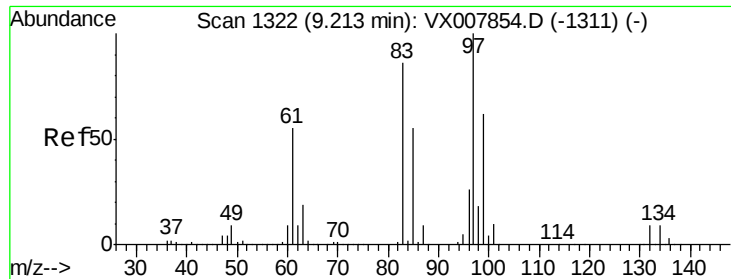
MMDadoda
3/7/2019 10:34:51 AM



#54
cis-1,3-Dichloropropene
Concen: 19.591 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion: 75 Resp: 90612
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.6
39 47.7 36.6 54.8





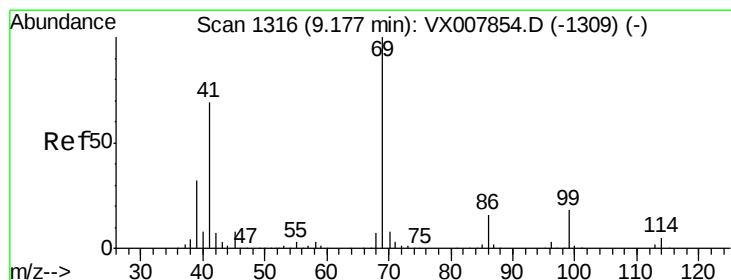
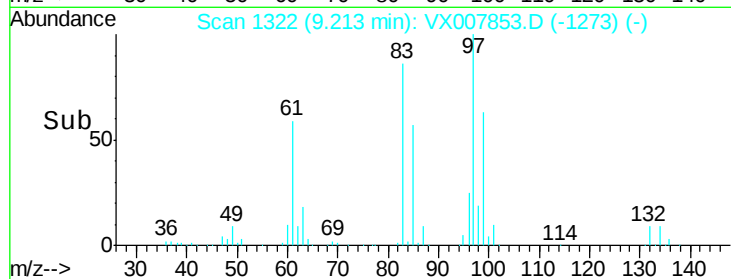
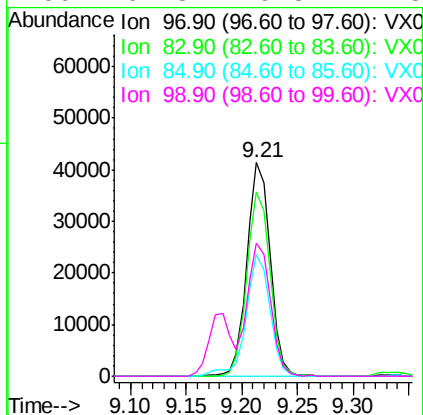
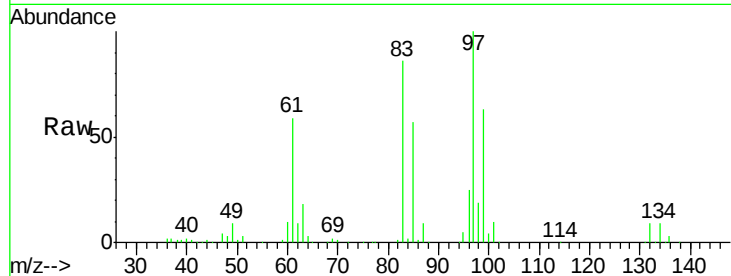
#55
 1,1,2-Trichloroethane
 Concen: 19.764 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		60486		
83	86.1	69.1	103.7		
85	56.8	44.3	66.5		
99	62.3	49.8	74.8		

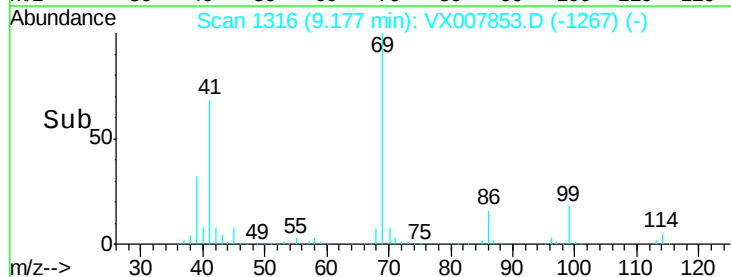
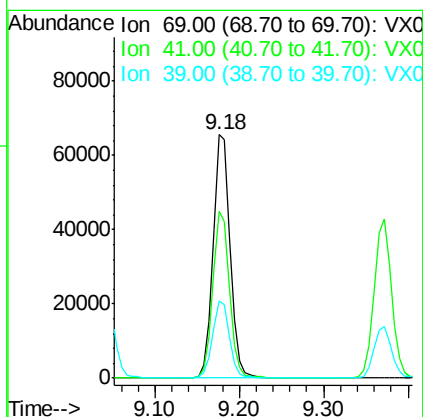
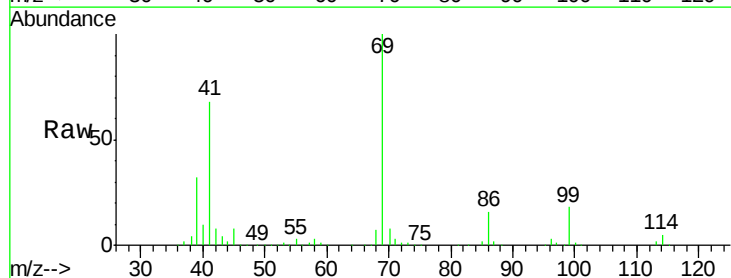
Manual Integrations
 APPROVED

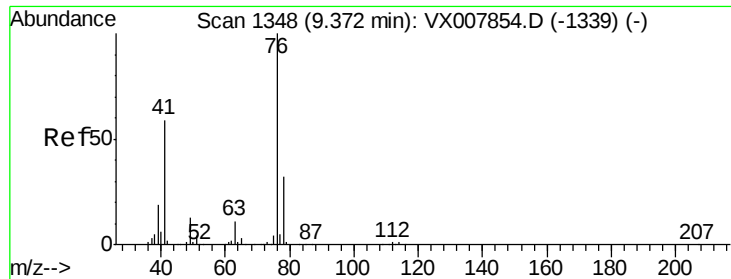
MMDadoda
 3/7/2019 10:34:51 AM



#56
 Ethyl methacrylate
 Concen: 20.120 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		92453		
41	66.8	54.2	81.4		
39	31.2	25.0	37.4		





#57

1,3-Dichloropropane

Concen: 19.886 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 102183

Ion Ratio Lower Upper

76 100

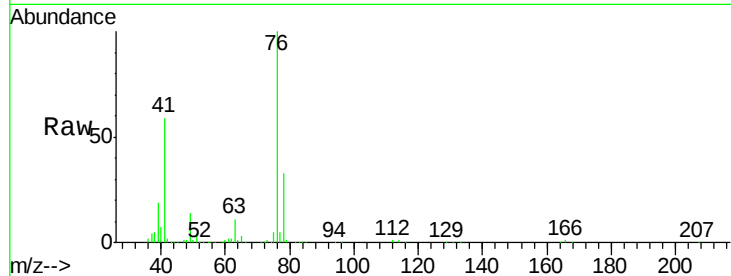
78 31.9 25.5 38.3

Manual Integrations

APPROVED

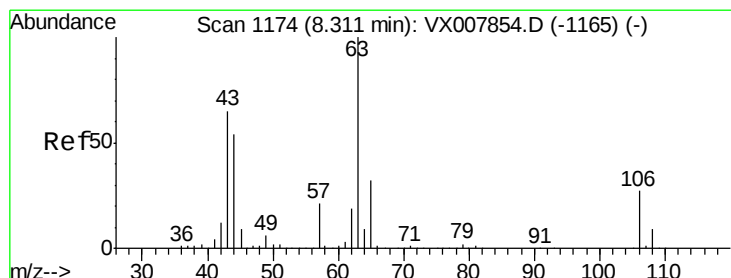
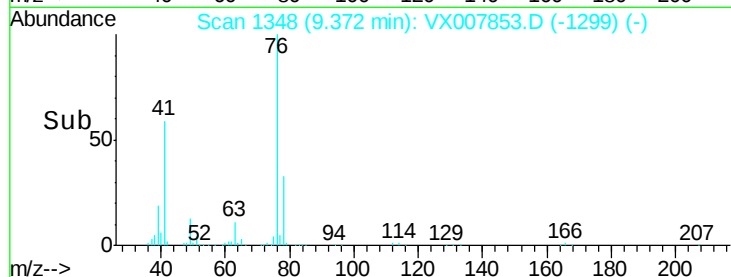
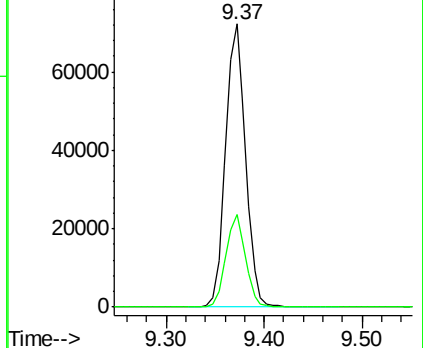
MMDadoda

3/7/2019 10:34:51 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.741 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007853.D

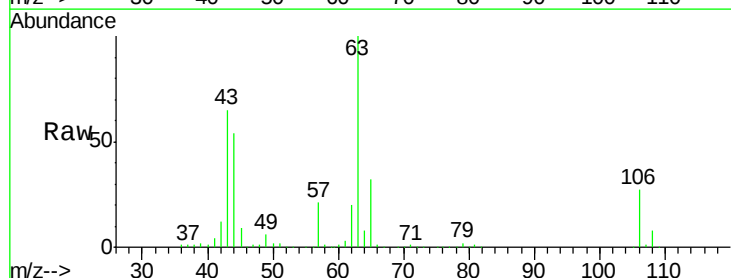
Acq: 06 Mar 2019 10:34

Tgt Ion: 63 Resp: 234694

Ion Ratio Lower Upper

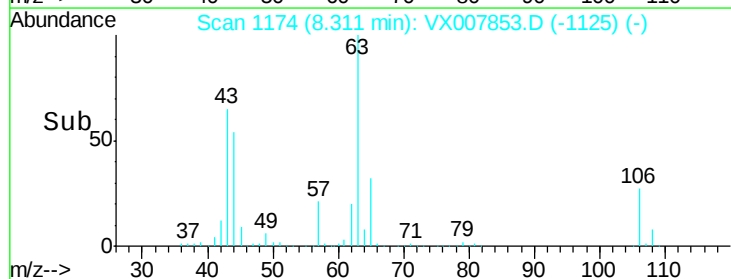
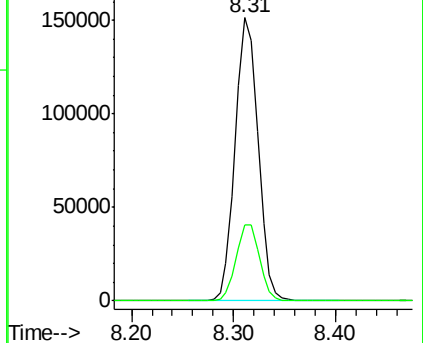
63 100

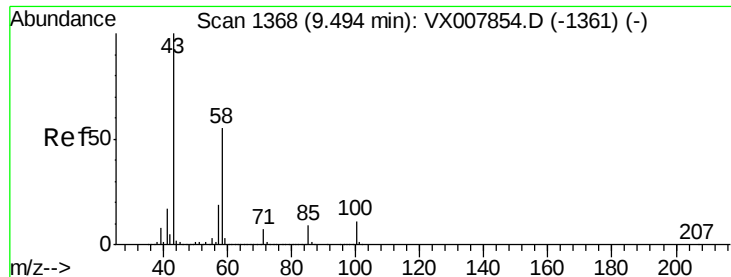
106 27.7 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





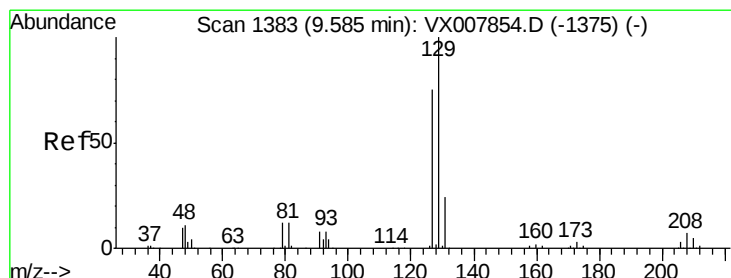
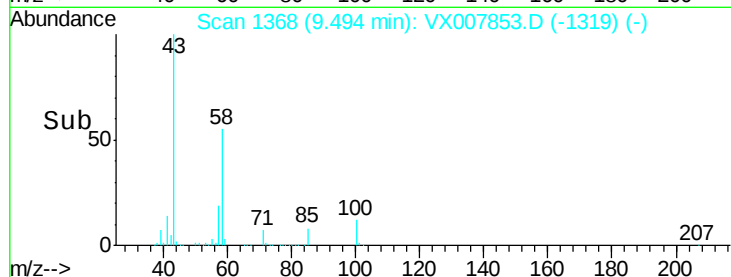
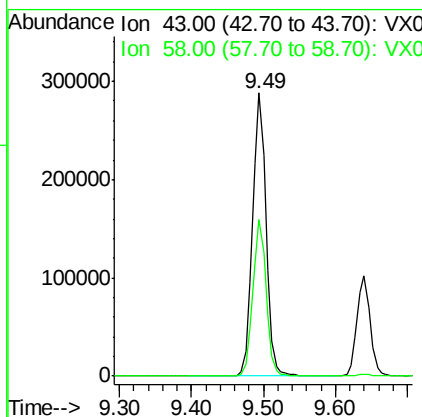
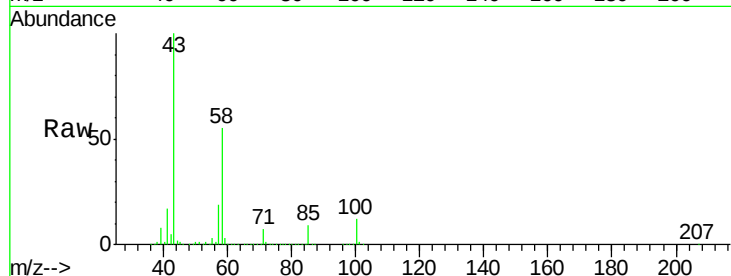
#59
2-Hexanone
Concen: 102.832 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 375062
Ion Ratio Lower Upper
43 100
58 54.6 27.6 82.7

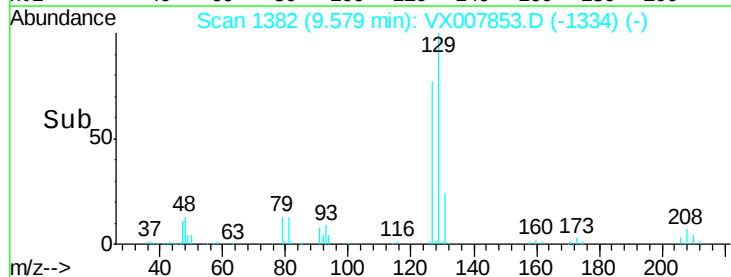
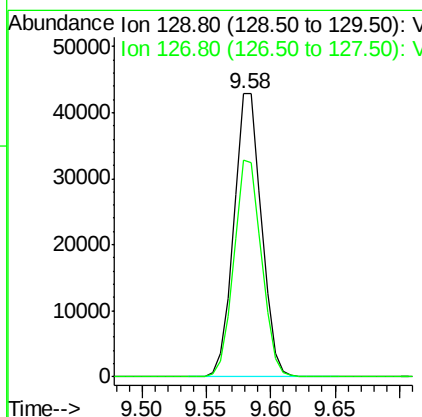
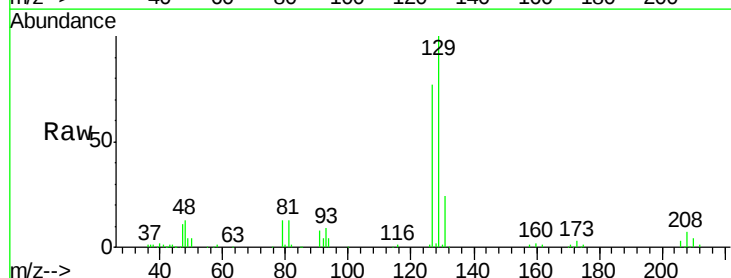
Manual Integrations
APPROVED

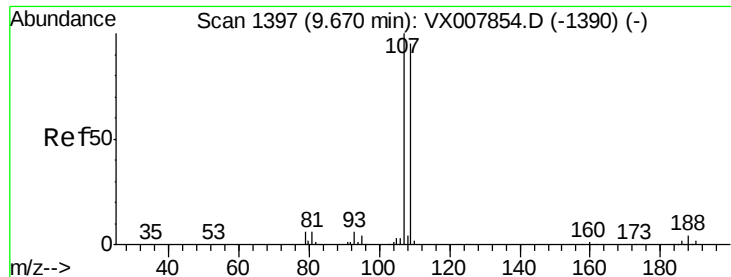
MMDadoda
3/7/2019 10:34:51 AM



#60
Dibromochloromethane
Concen: 20.051 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion: 129 Resp: 64138
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.540 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 63491

Ion Ratio Lower Upper

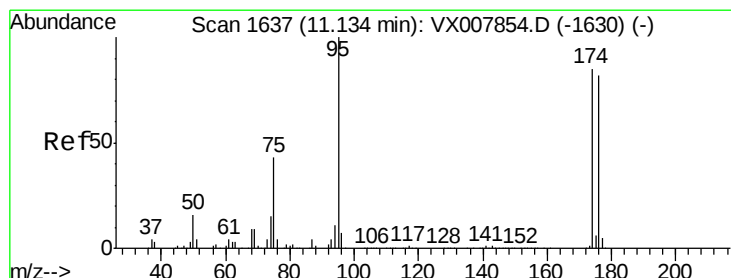
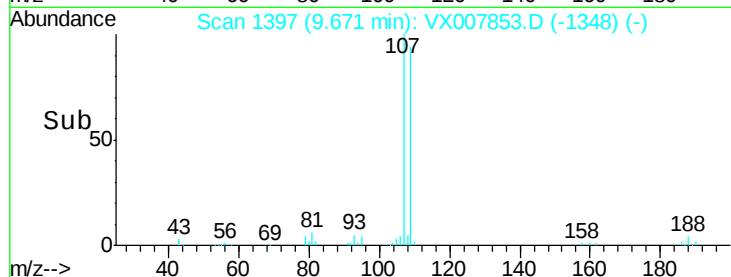
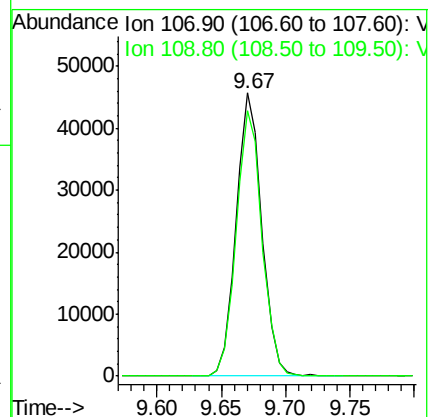
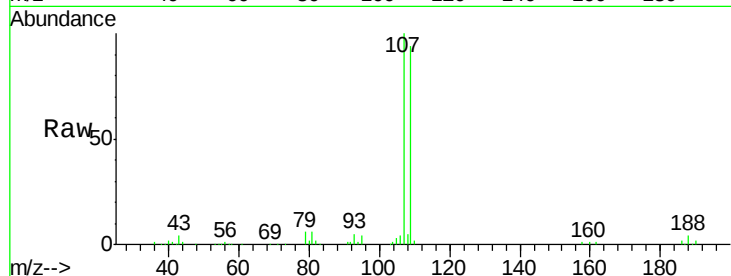
107 100

109 94.4 75.8 113.8

Manual Integrations
APPROVED

MMDadoda

3/7/2019 10:34:51 AM



#62

4-Bromofluorobenzene

Concen: 19.522 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

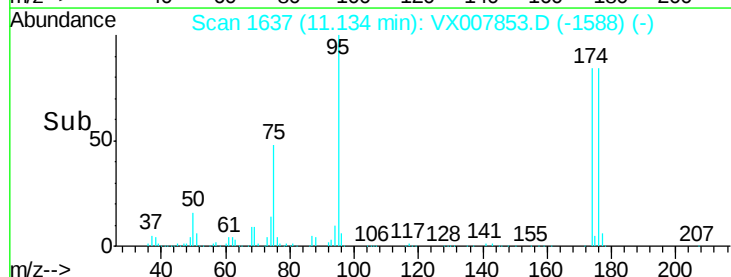
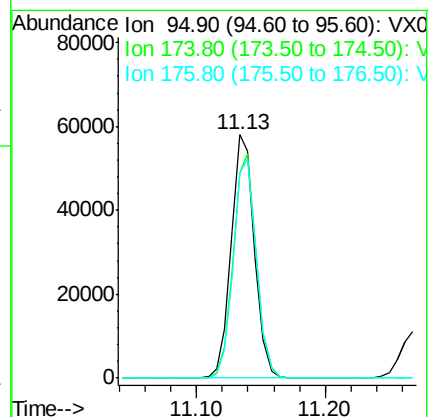
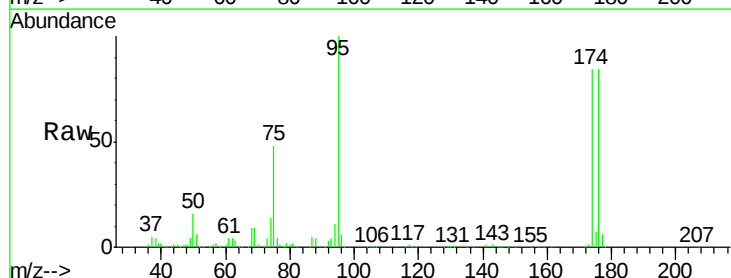
Tgt Ion: 95 Resp: 73859

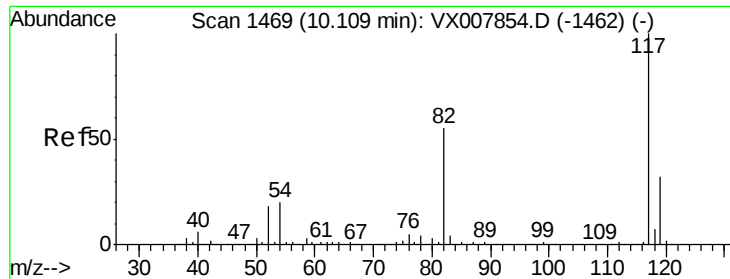
Ion Ratio Lower Upper

95 100

174 91.0 0.0 182.8

176 89.2 0.0 178.0





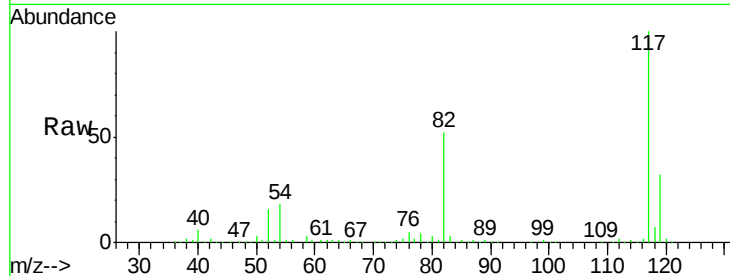
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	403594		
82	51.7	44.3	66.5	
119	32.3	25.3	37.9	

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM

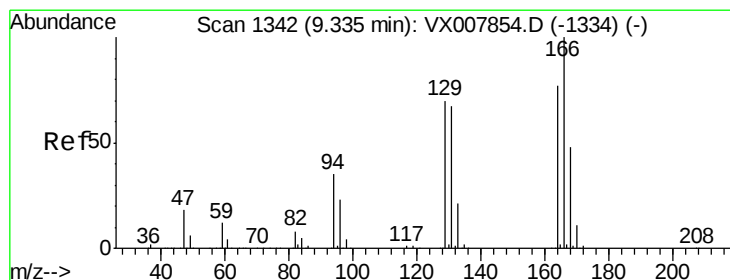
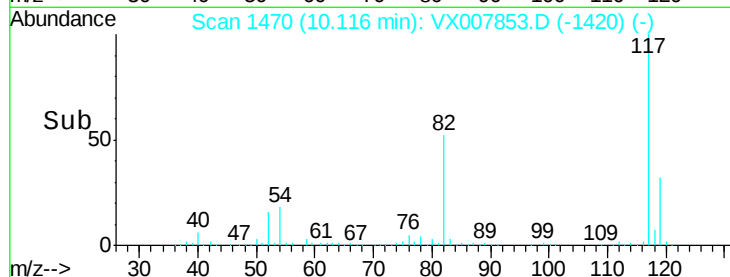
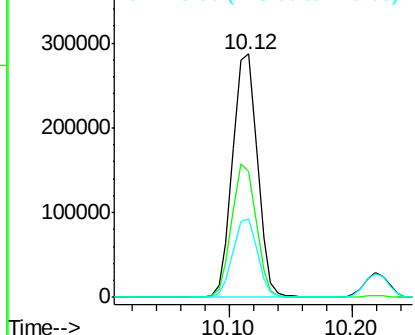


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.765 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62761		
166	129.9	103.4	155.0	
129	88.3	72.2	108.4	
131	87.3	69.4	104.2	

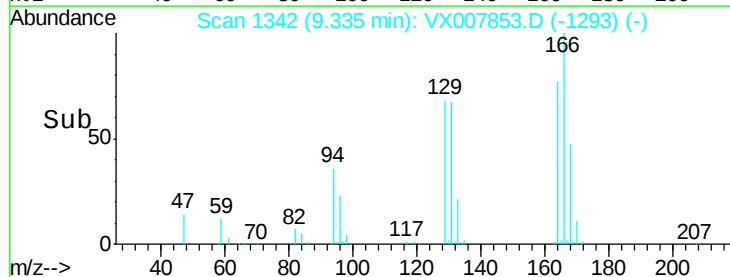
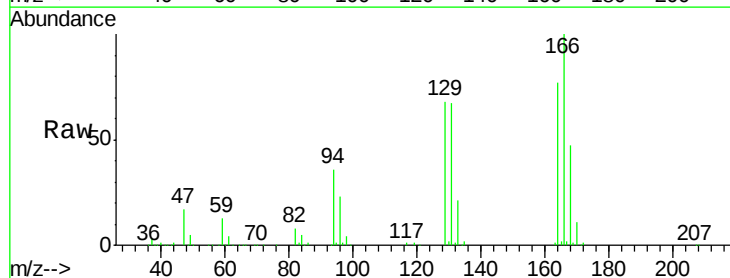
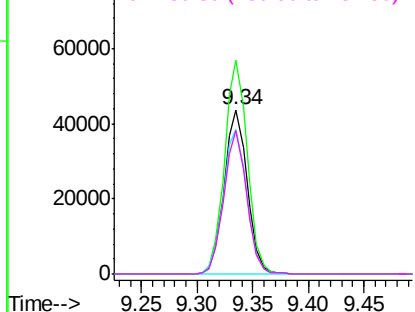
Abundance

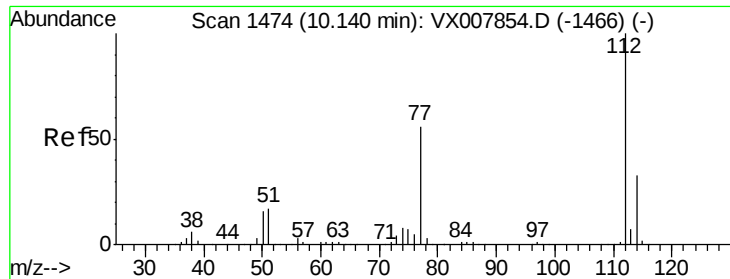
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.146 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 161695

Ion Ratio Lower Upper

112 100

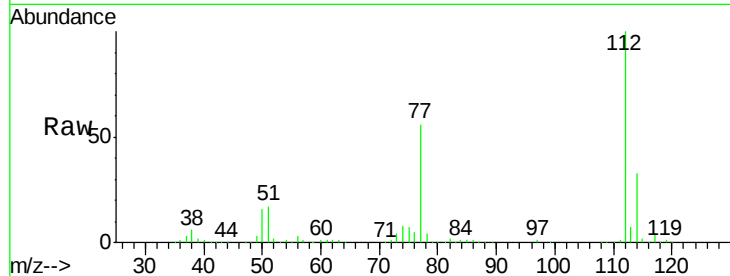
114 32.7 26.0 39.0

Manual Integrations

APPROVED

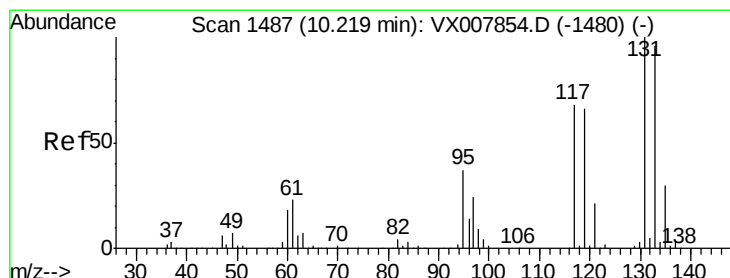
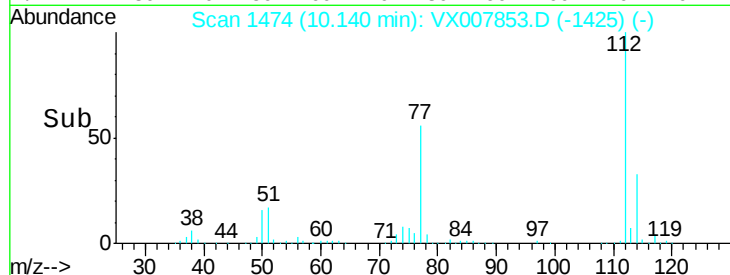
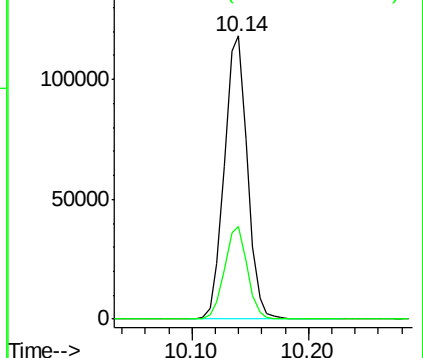
MMDadoda

3/7/2019 10:34:51 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.538 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

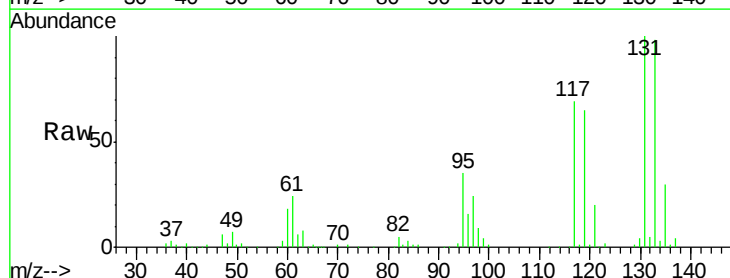
Tgt Ion:131 Resp: 59138

Ion Ratio Lower Upper

131 100

133 95.7 47.8 143.3

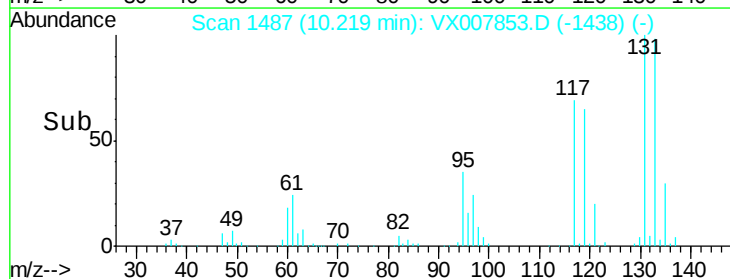
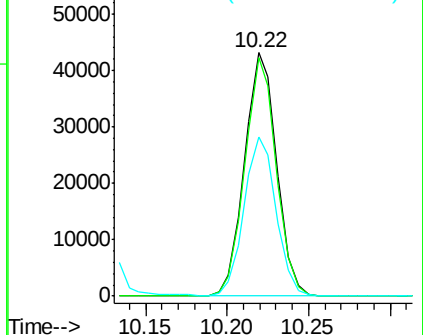
119 65.4 32.5 97.5

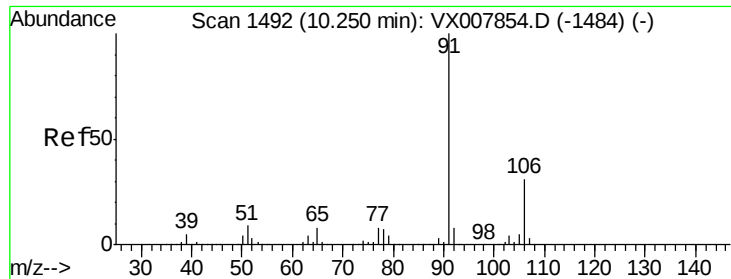


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





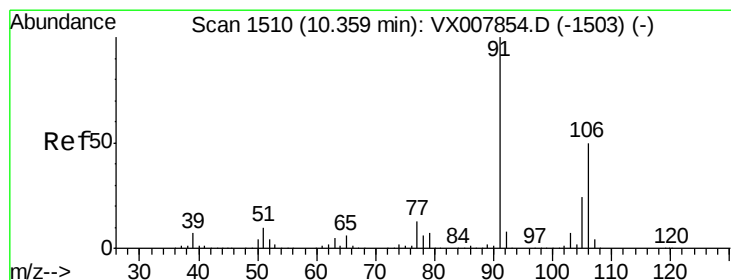
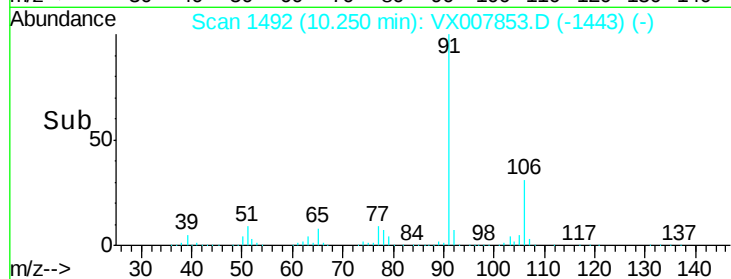
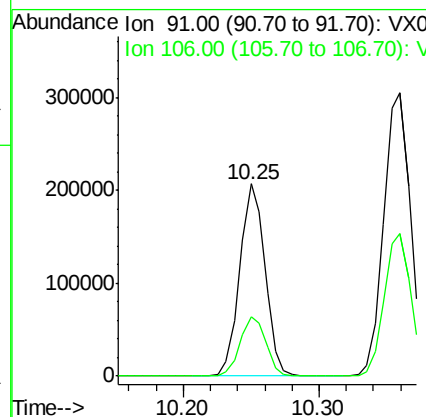
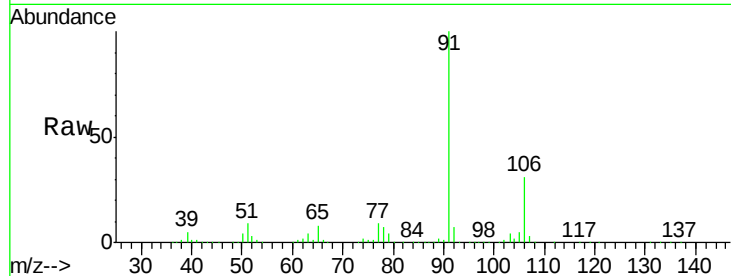
#67
Ethyl Benzene
Concen: 19.313 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 268498
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8

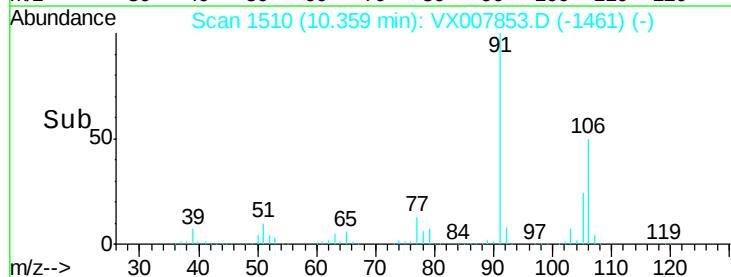
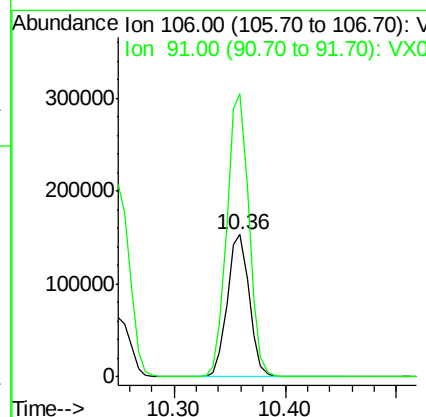
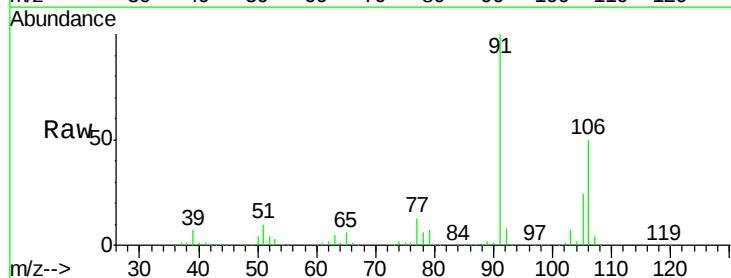
Manual Integrations
APPROVED

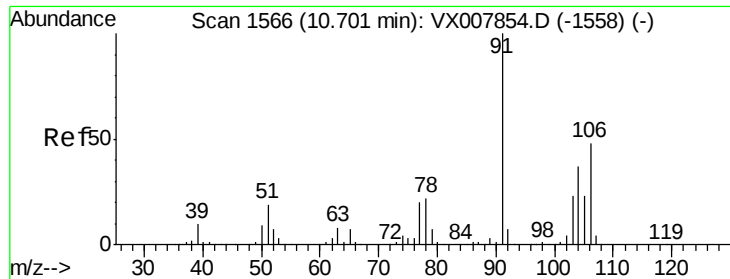
MMDadoda
3/7/2019 10:34:51 AM



#68
m/p-Xylenes
Concen: 39.130 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion: 106 Resp: 209683
Ion Ratio Lower Upper
106 100
91 199.6 159.8 239.6





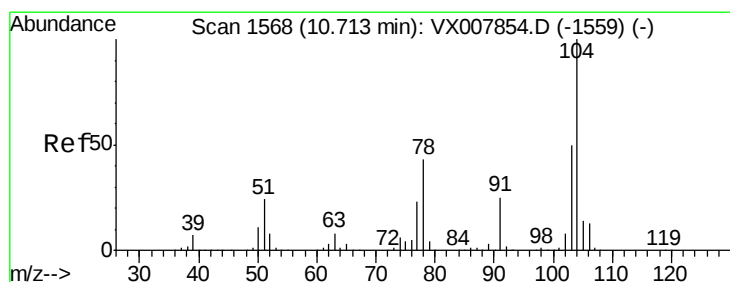
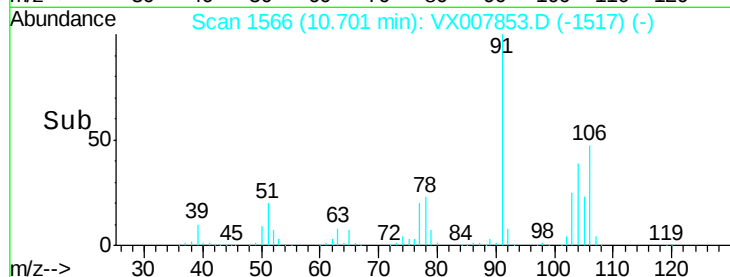
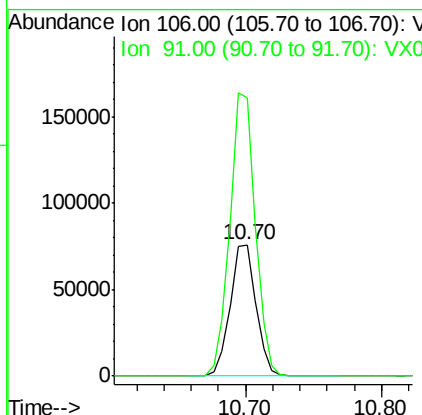
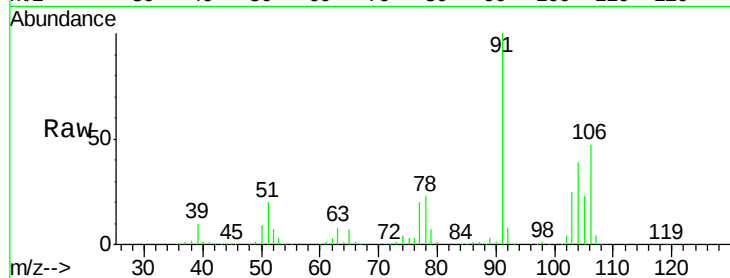
#69
o-Xylene
Concen: 19.447 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 100605
Ion Ratio Lower Upper
106 100
91 213.1 106.3 318.9

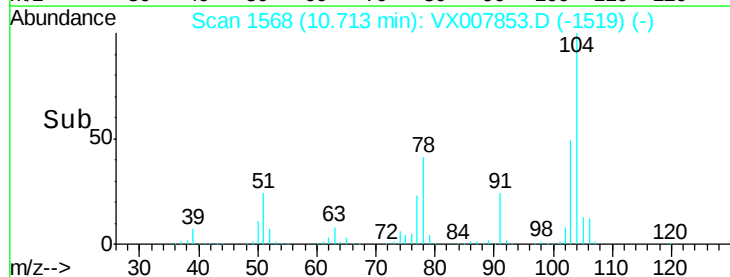
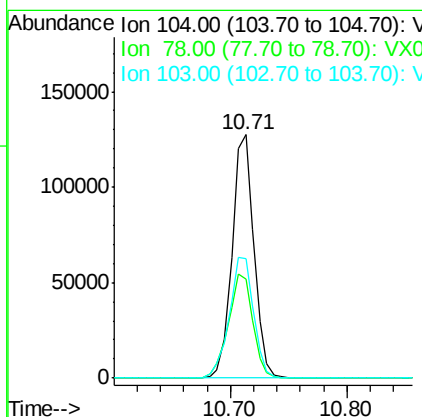
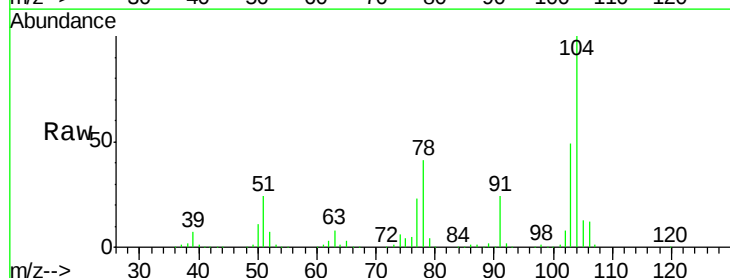
Manual Integrations
APPROVED

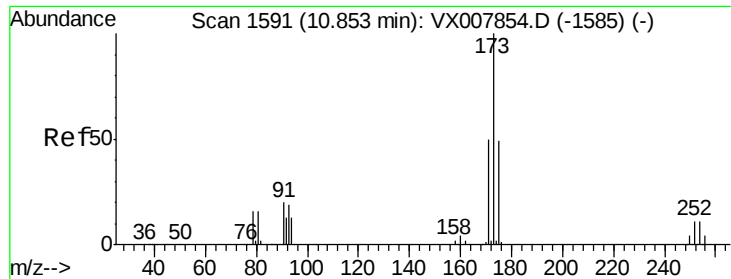
MMDadoda
3/7/2019 10:34:51 AM



#70
Styrene
Concen: 19.721 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion:104 Resp: 166954
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 55.3 44.1 66.1





#71

Bromoform

Concen: 19.514 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 50725

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.9

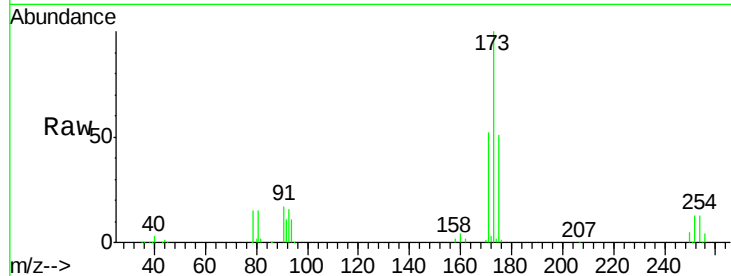
254 0.2 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

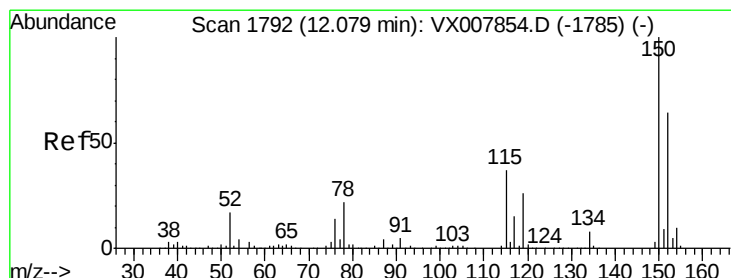
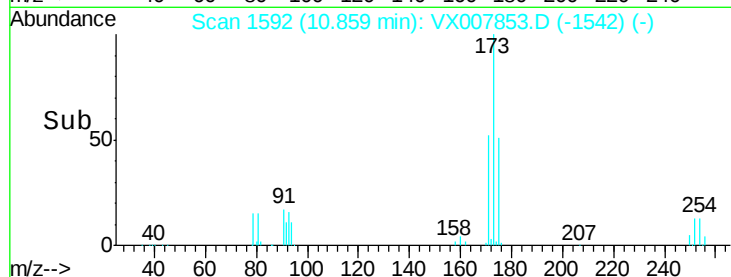
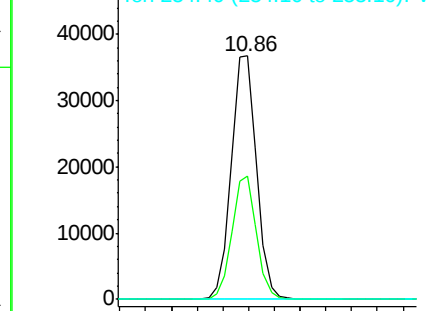
3/7/2019 10:34:51 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

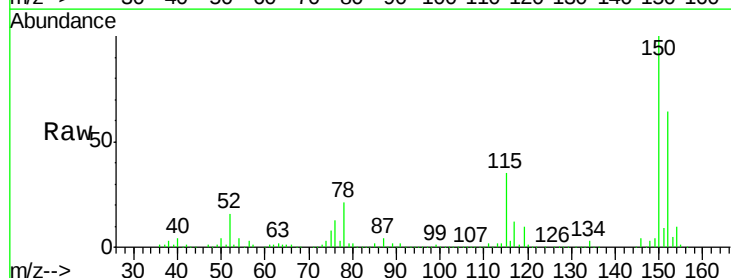
Tgt Ion:152 Resp: 199754

Ion Ratio Lower Upper

152 100

115 63.5 38.6 115.7

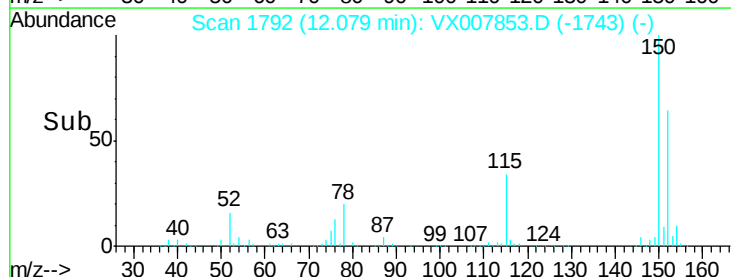
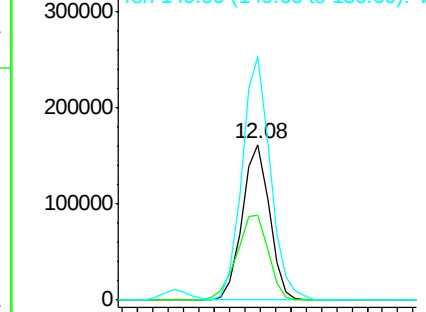
150 162.8 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





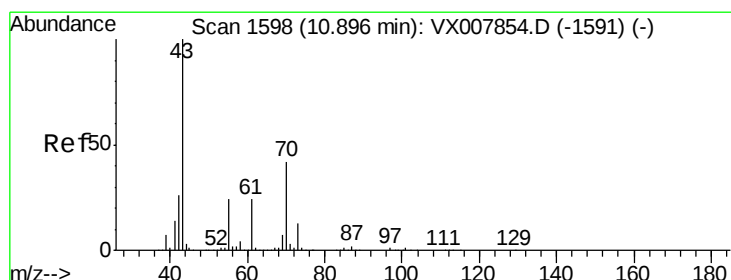
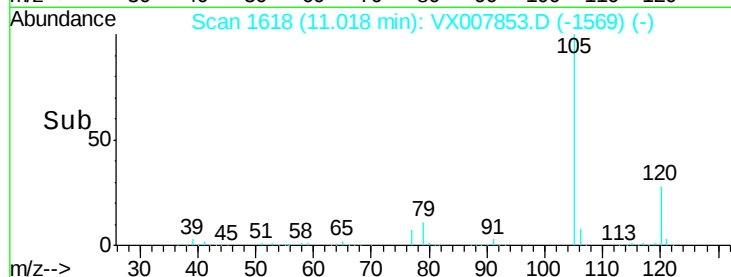
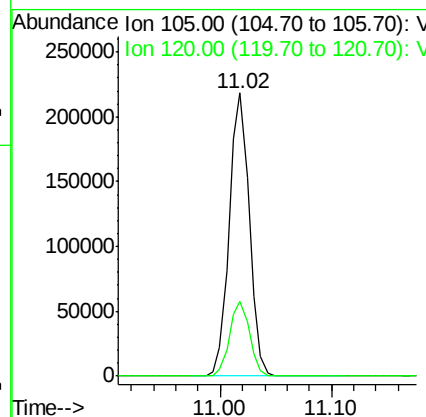
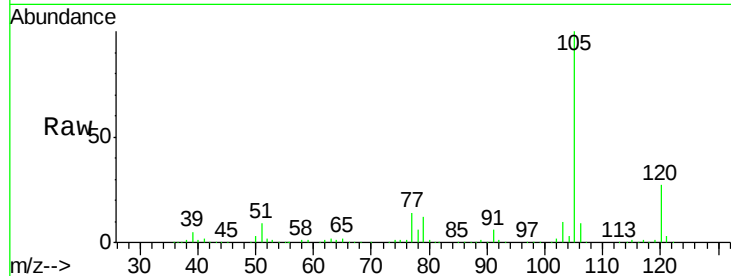
#73
Isopropylbenzene
Concen: 20.062 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 105 Resp: 271030
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.1

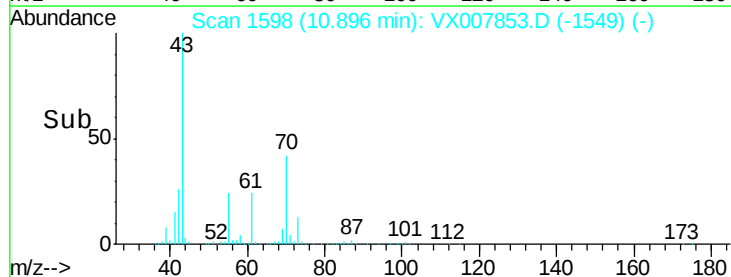
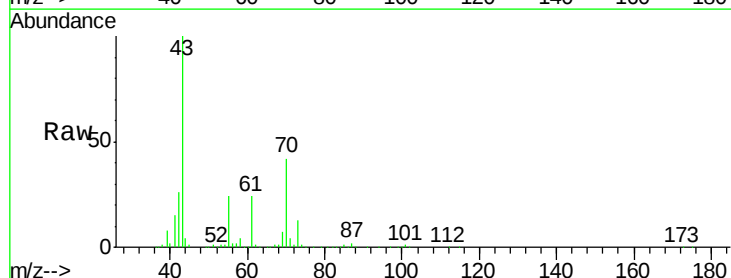
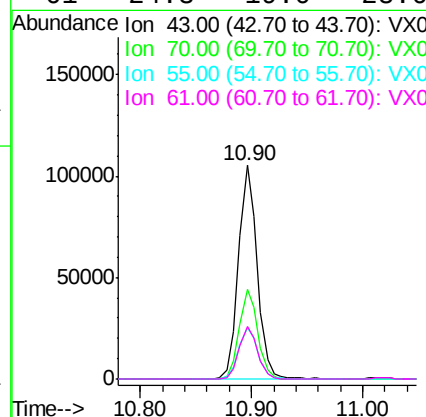
Manual Integrations
APPROVED

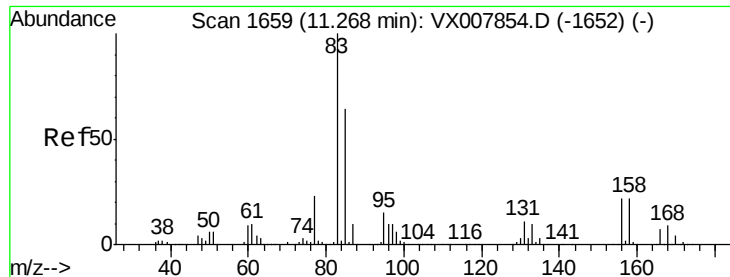
MMDadoda
3/7/2019 10:34:51 AM



#74
N-ethyl acetate
Concen: 19.785 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion: 43 Resp: 122027
Ion Ratio Lower Upper
43 100
70 42.0 33.5 50.3
55 25.2 19.2 28.8
61 24.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.693 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

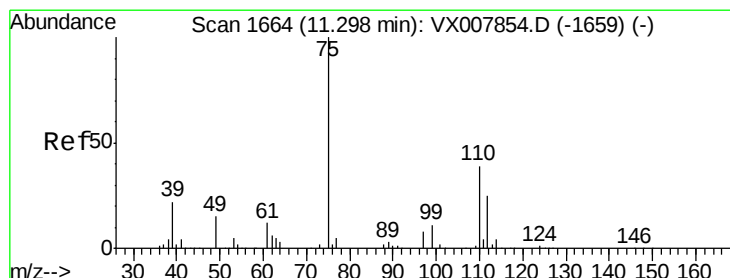
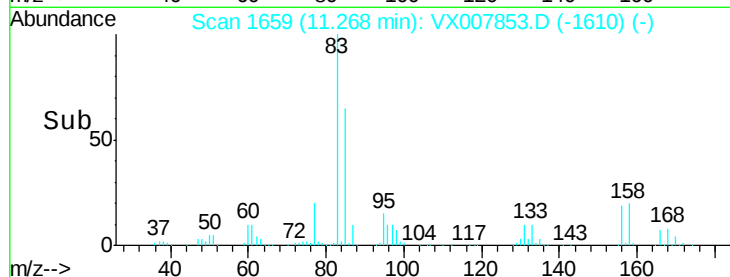
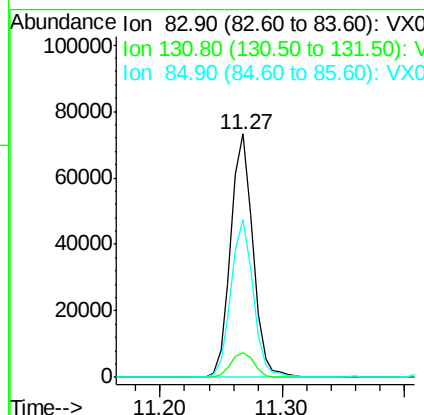
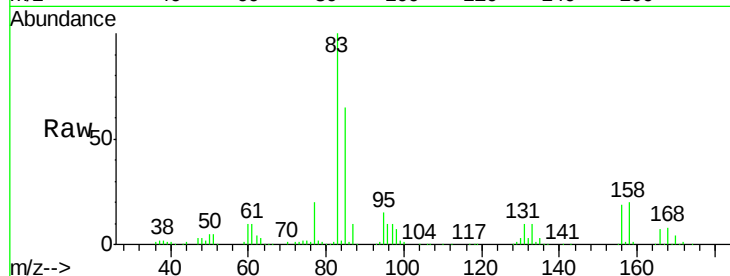
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	91770
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.9	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#76

1,2,3-Trichloropropane

Concen: 20.753 ug/l m

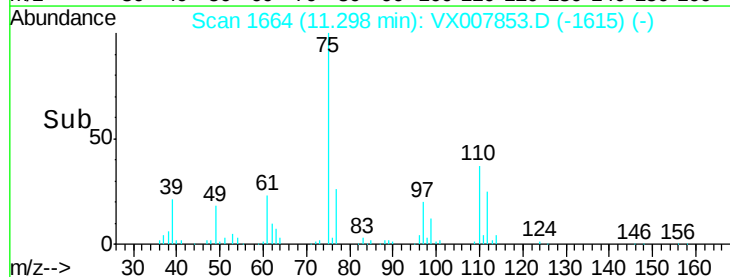
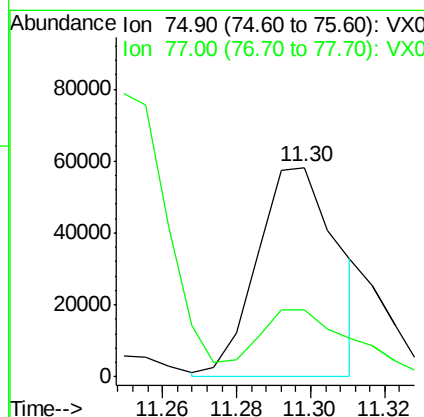
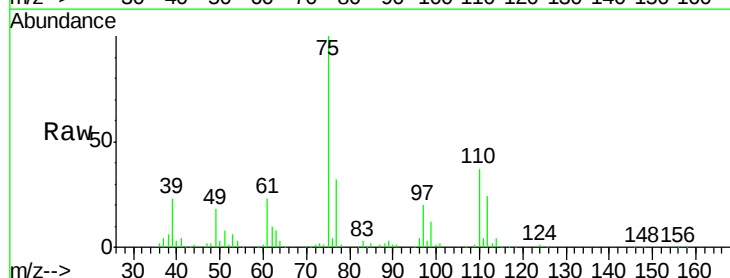
RT: 11.30 min Scan# 1664

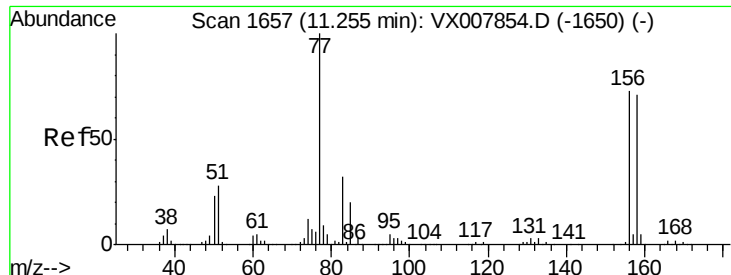
Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tgt Ion:	75	Resp:	87712
Ion Ratio	Lower	Upper	
75	100		
77	38.7	18.9	56.7





#77

Bromobenzene

Concen: 19.486 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 72172

Ion Ratio Lower Upper

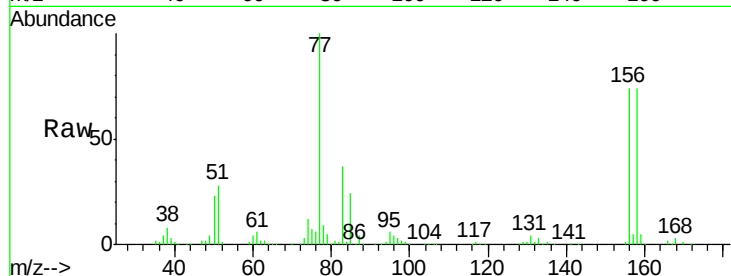
156 100

77 142.3 72.0 215.9

158 98.0 48.6 145.9

Manual Integrations
APPROVED

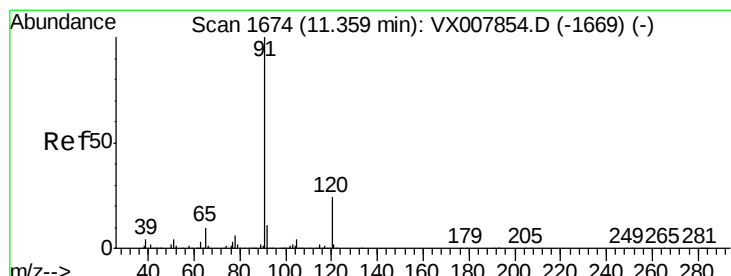
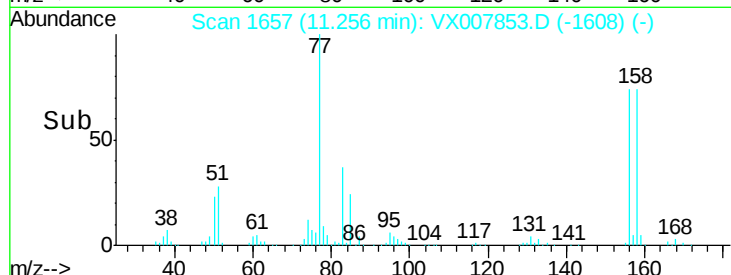
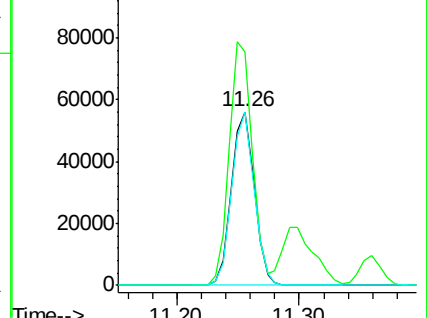
MMDadoda
3/7/2019 10:34:51 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.915 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007853.D

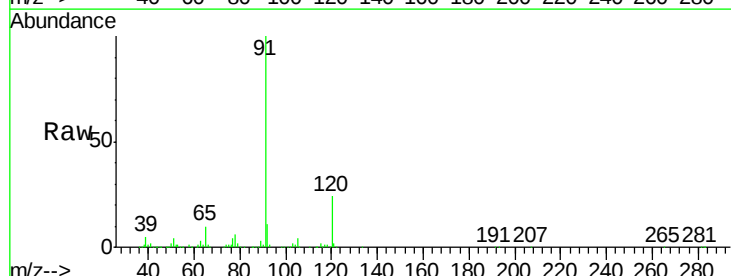
Acq: 06 Mar 2019 10:34

Tgt Ion: 91 Resp: 298469

Ion Ratio Lower Upper

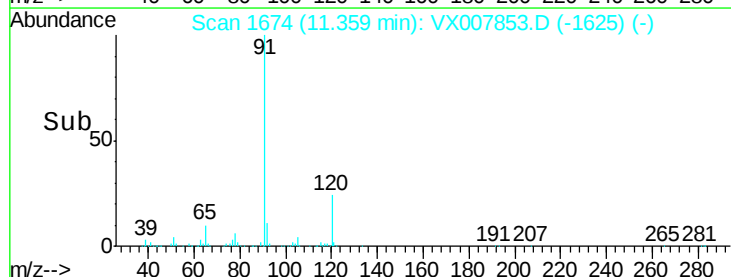
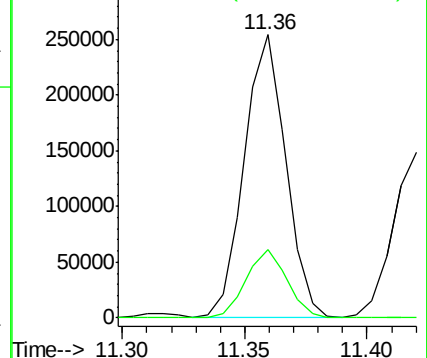
91 100

120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





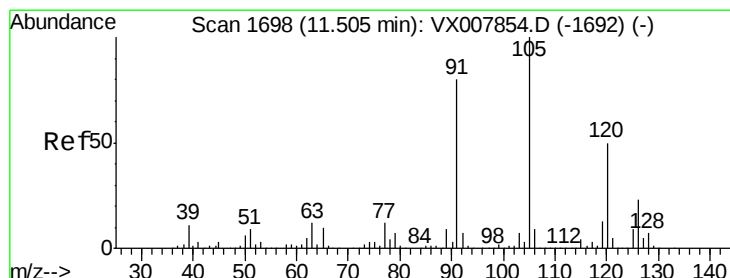
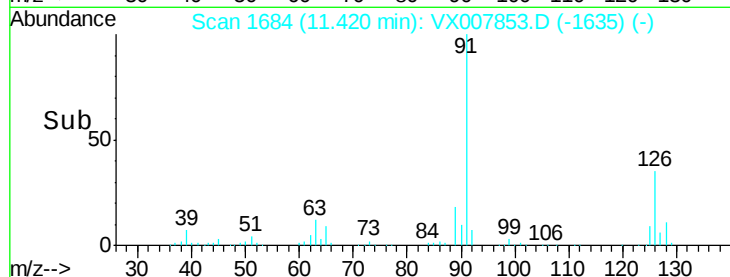
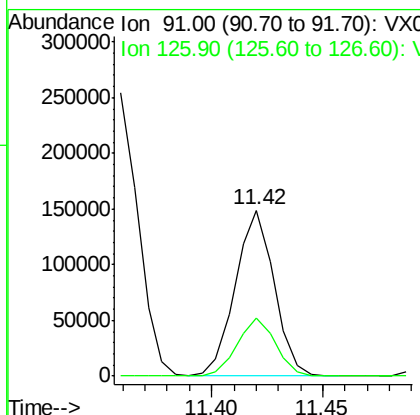
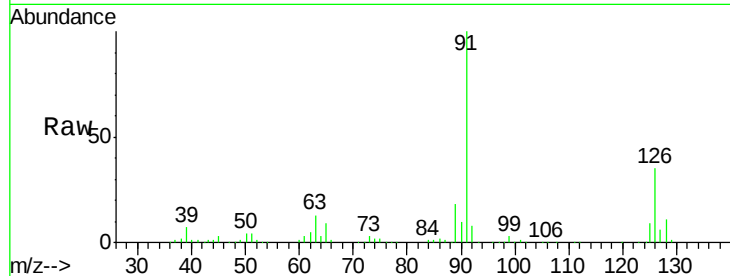
#79
 2-Chlorotoluene
 Concen: 19.657 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 180131
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.5 52.6

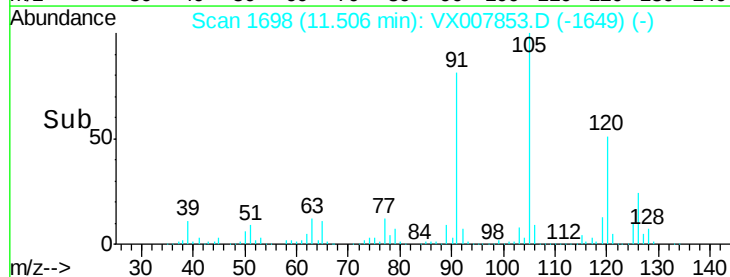
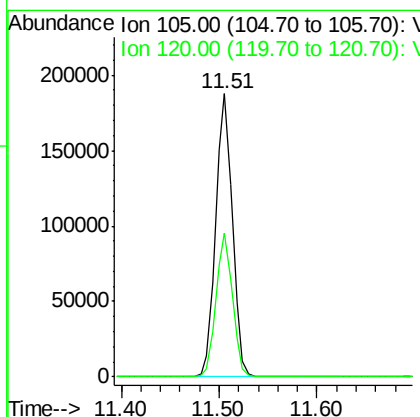
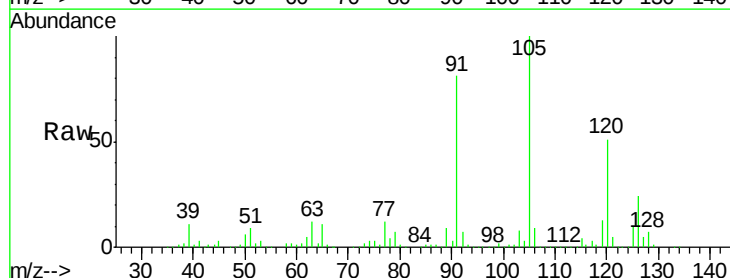
Manual Integrations
 APPROVED

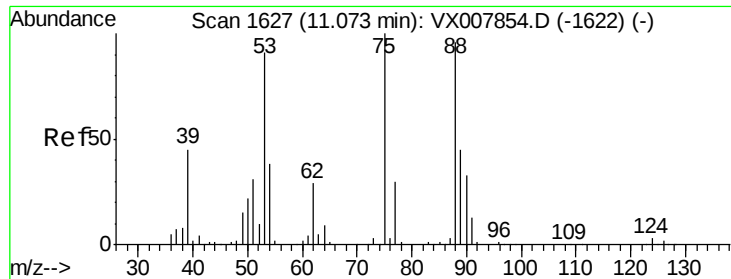
MMDadoda
 3/7/2019 10:34:51 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.999 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Tgt Ion: 105 Resp: 222369
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.325 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

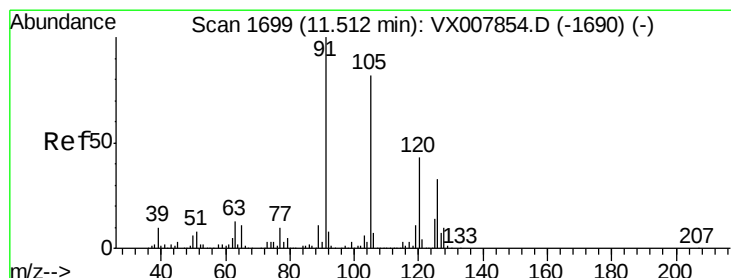
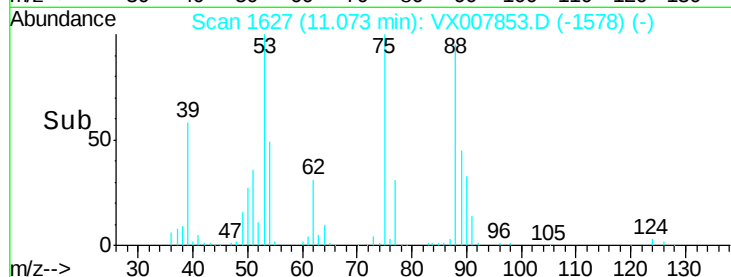
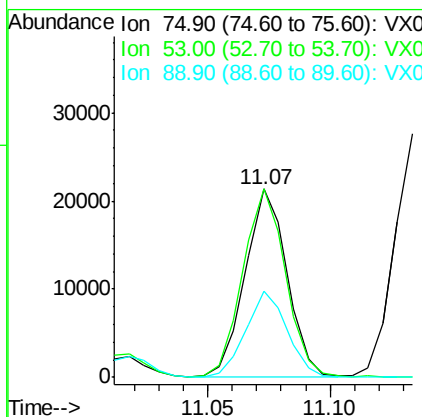
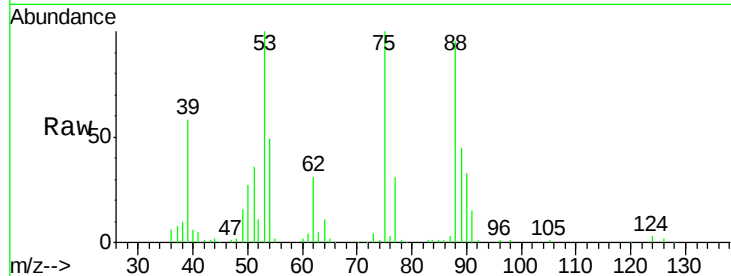
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	25341
Ion Ratio	Lower	Upper	
75	100		
53	103.3	76.1	114.1
89	45.7	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#82

4-Chlorotoluene

Concen: 19.507 ug/l

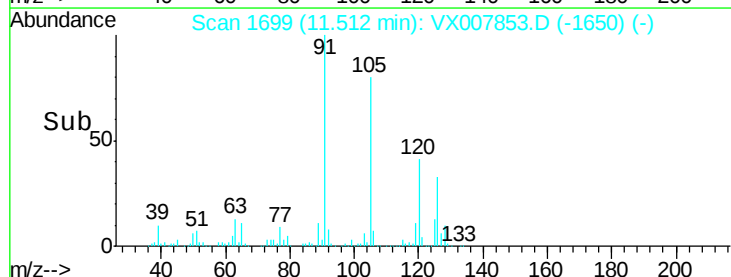
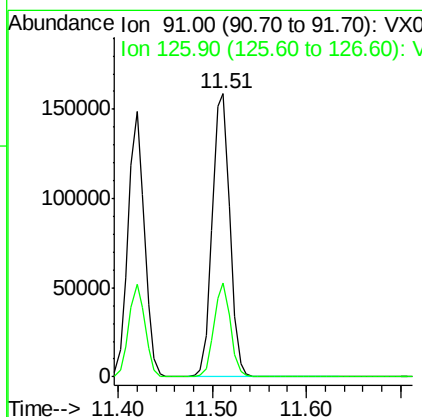
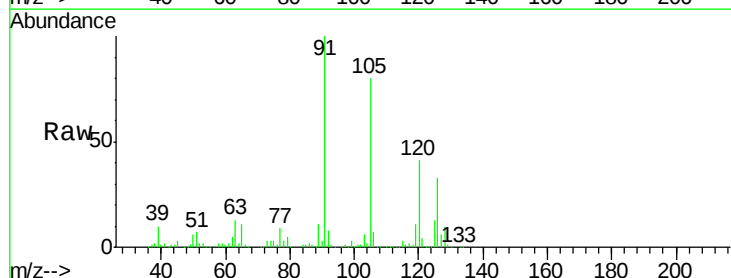
RT: 11.51 min Scan# 1699

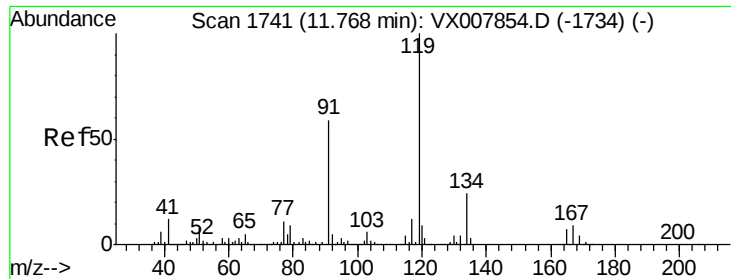
Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tgt Ion:	91	Resp:	204855
Ion Ratio	Lower	Upper	
91	100		
126	31.4	15.6	46.8





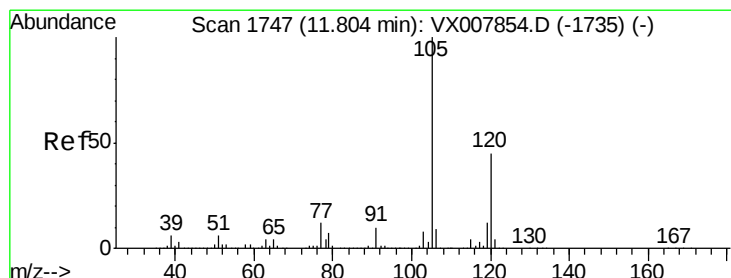
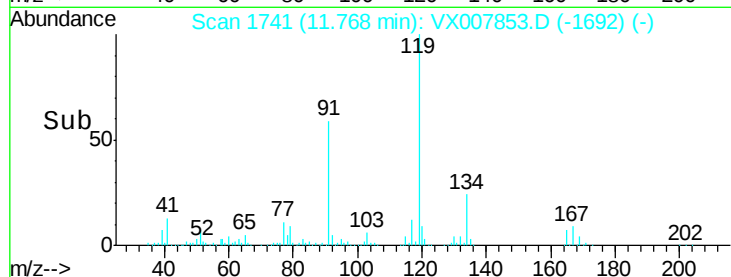
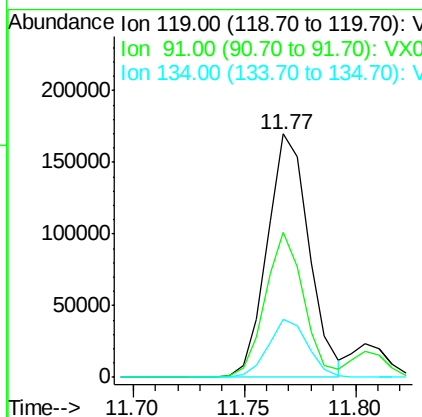
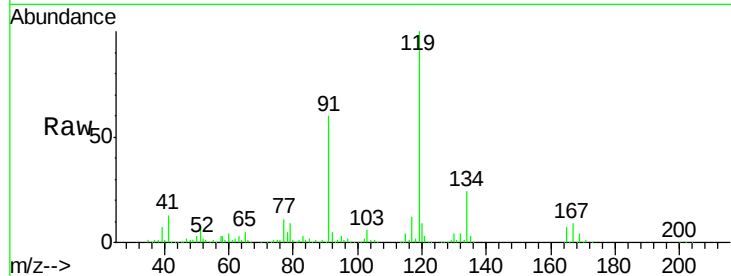
#83
tert-Butylbenzene
Concen: 19.702 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	220668		
91	55.0		27.1	81.3
134	22.9		11.4	34.1

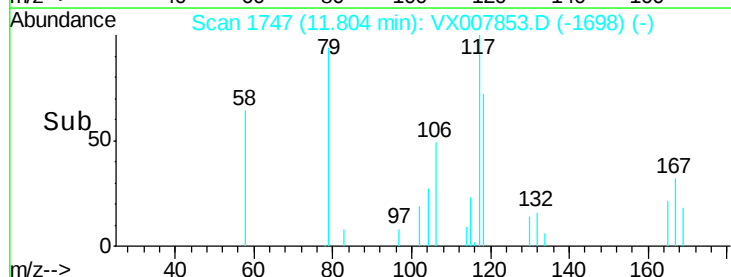
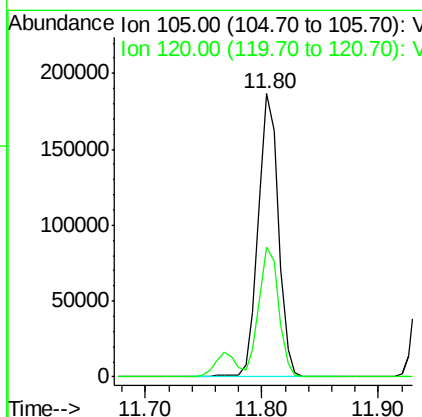
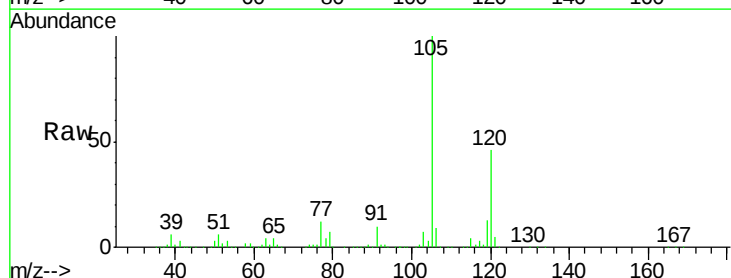
Manual Integrations
APPROVED

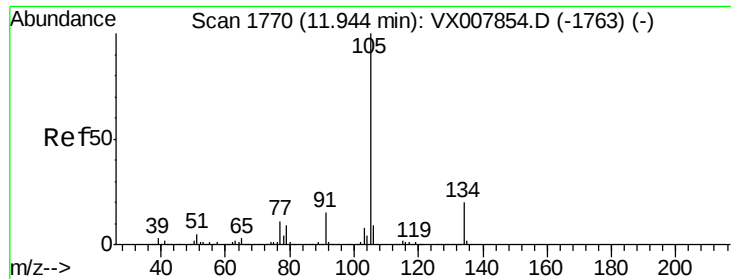
MMDadoda
3/7/2019 10:34:51 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.000 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227968		
120	44.9		22.6	67.7





#85

sec-Butylbenzene

Concen: 20.105 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 265204

Ion Ratio Lower Upper

105 100

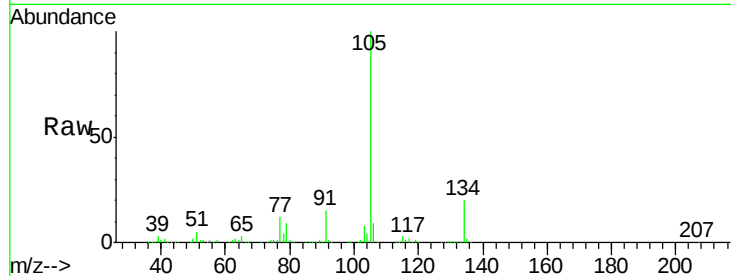
134 20.2 10.4 31.2

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:34:51 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

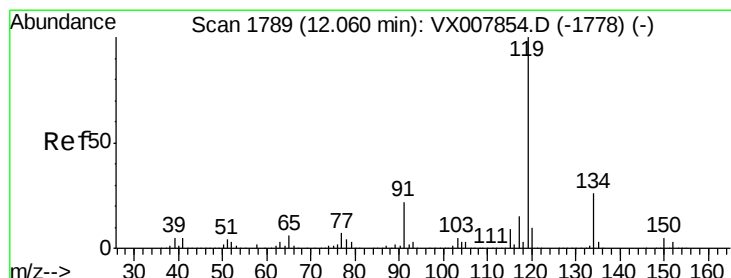
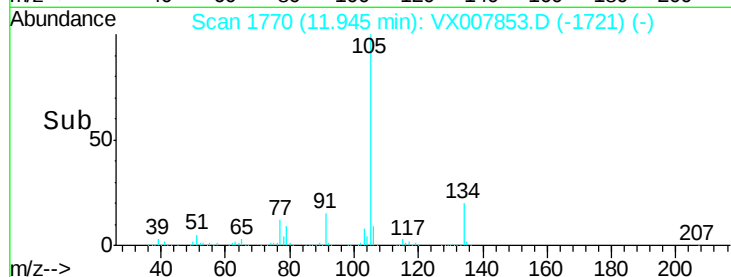
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.878 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

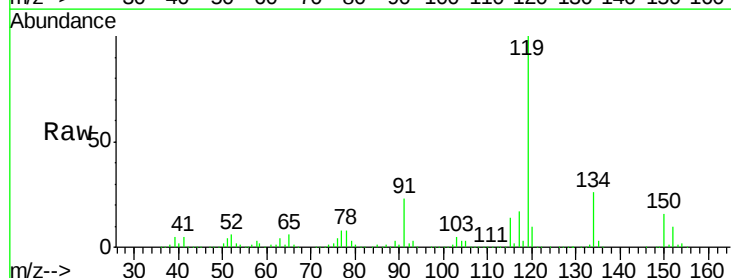
Tgt Ion:119 Resp: 234832

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.5 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

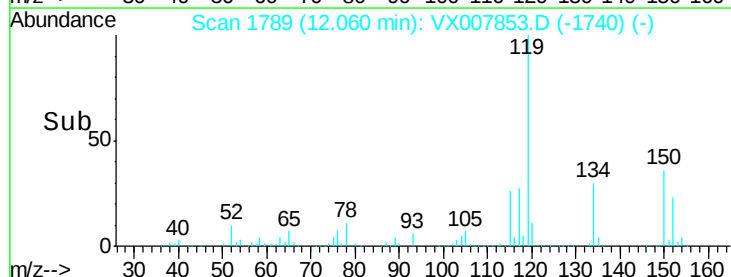
0

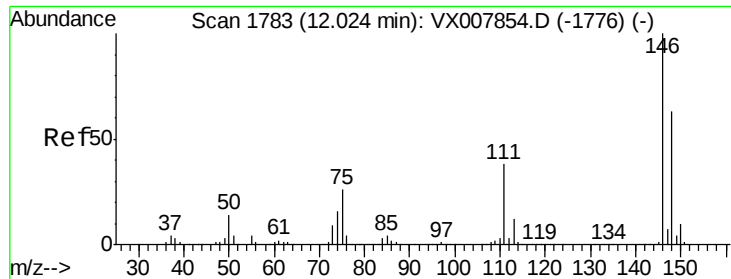
12.00

12.10

12.20

Time-->





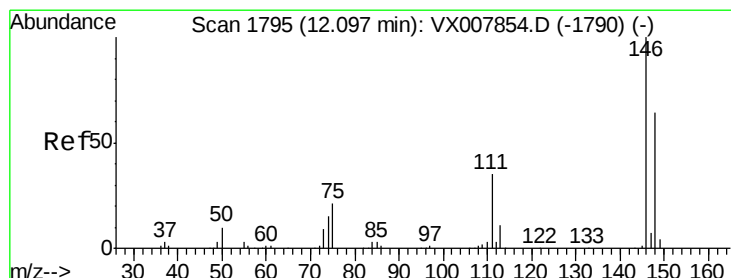
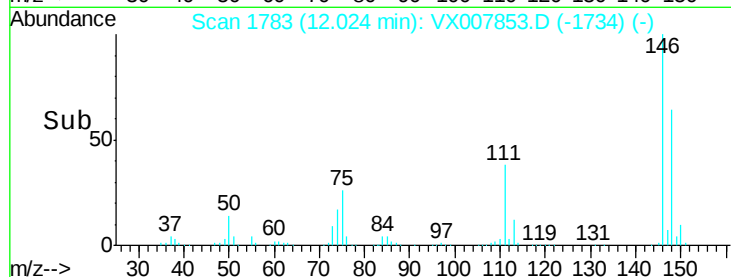
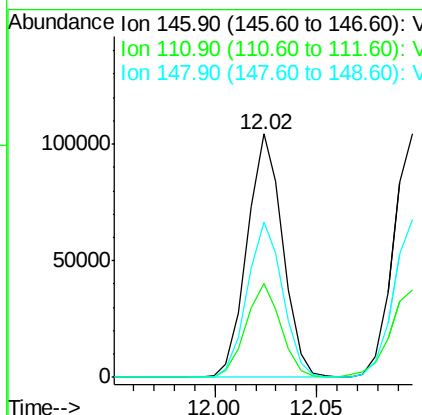
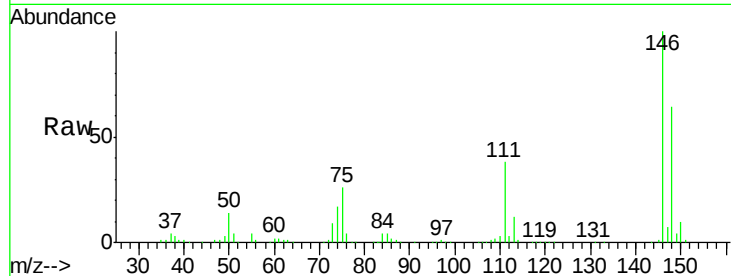
#87
 1,3-Dichlorobenzene
 Concen: 19.278 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	63.7	31.7	95.1

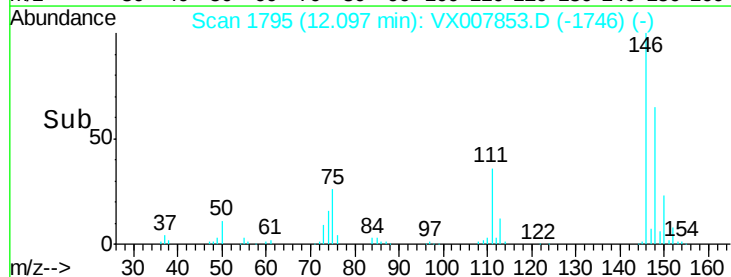
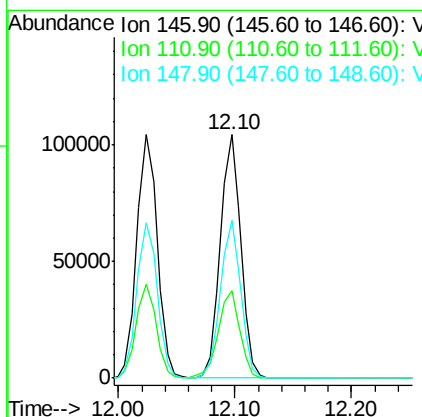
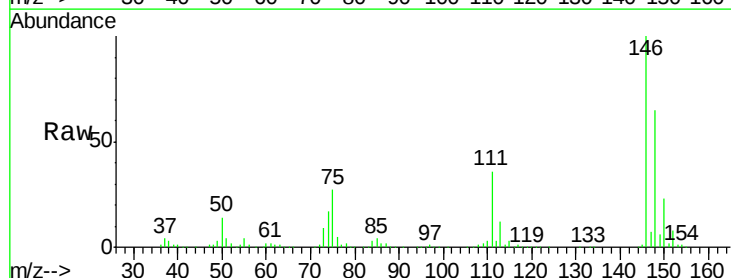
Manual Integrations
 APPROVED

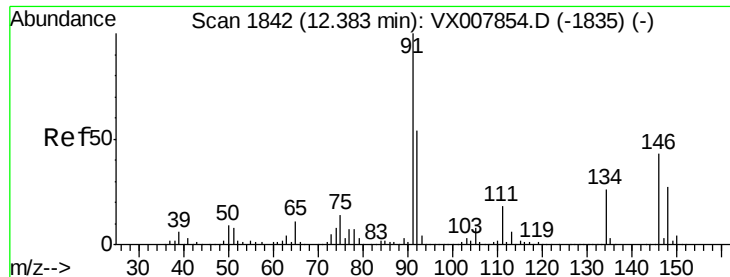
MMDadoda
 3/7/2019 10:34:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.809 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.0
148	64.3	32.2	96.6





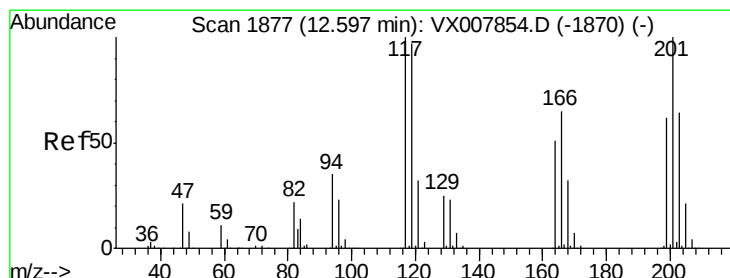
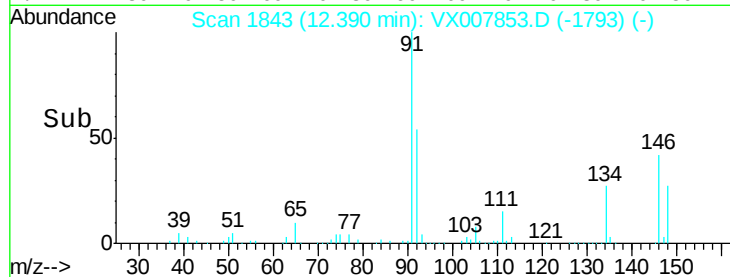
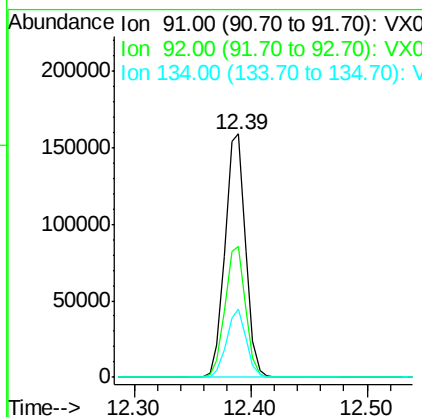
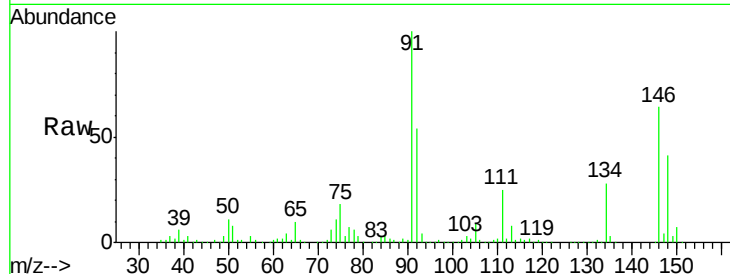
#89
n-Butylbenzene
Concen: 19.342 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.0	80.8
134	26.8	13.7	41.0

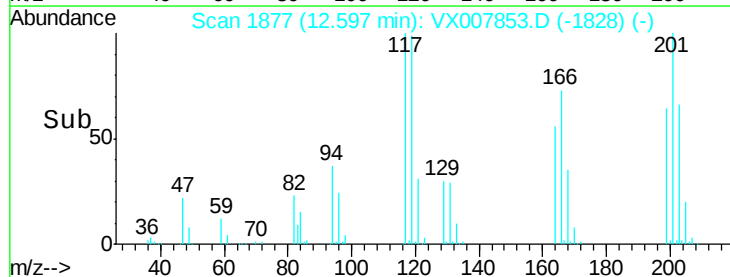
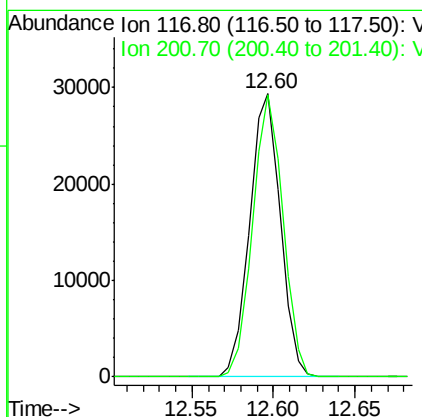
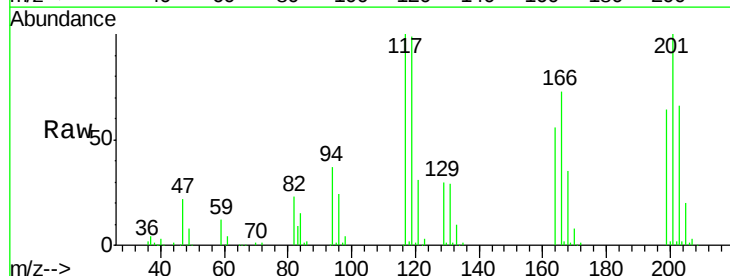
Manual Integrations
APPROVED

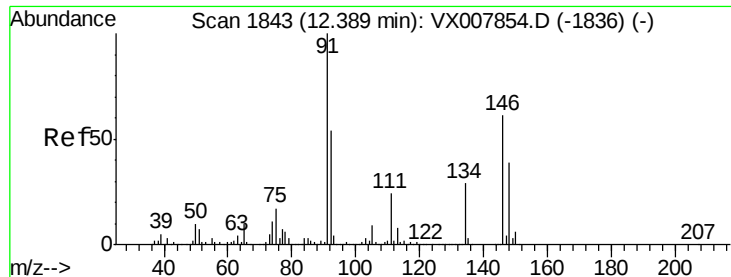
MMDadoda
3/7/2019 10:34:51 AM



#90
Hexachloroethane
Concen: 19.572 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007853.D
Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.1	48.9	146.7





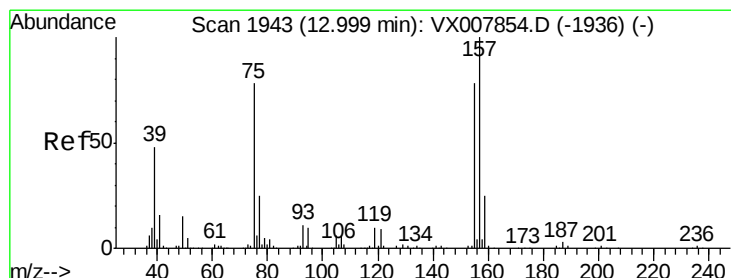
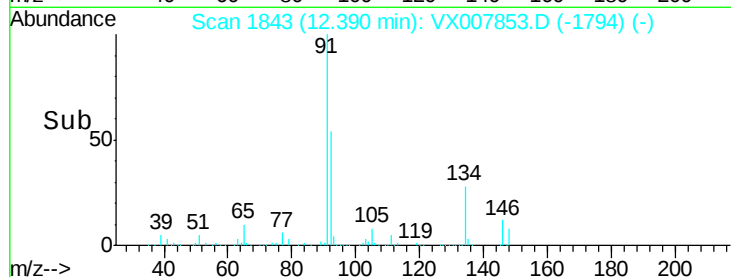
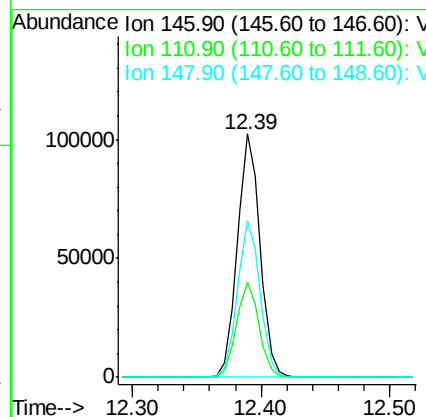
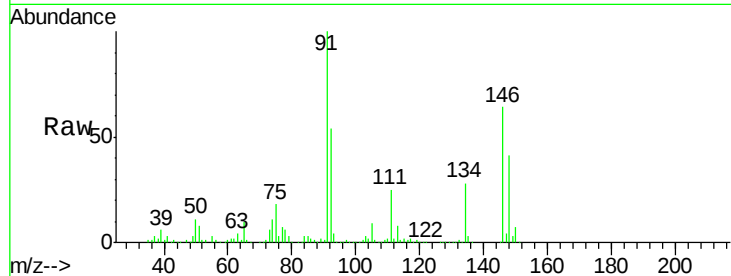
#91
 1,2-Dichlorobenzene
 Concen: 19.401 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	126290		
111	39.1		19.6	58.8
148	64.2		31.9	95.5

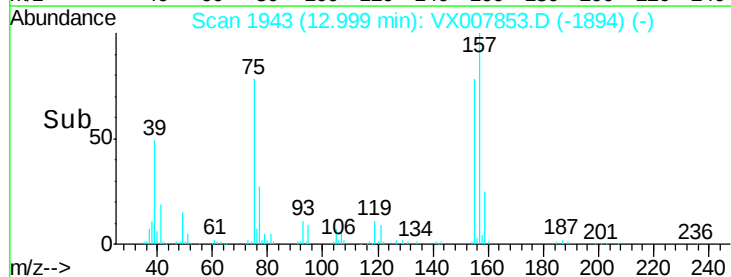
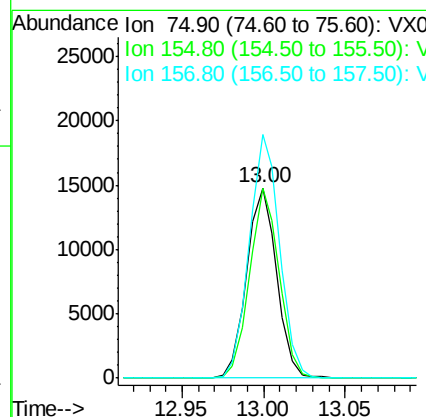
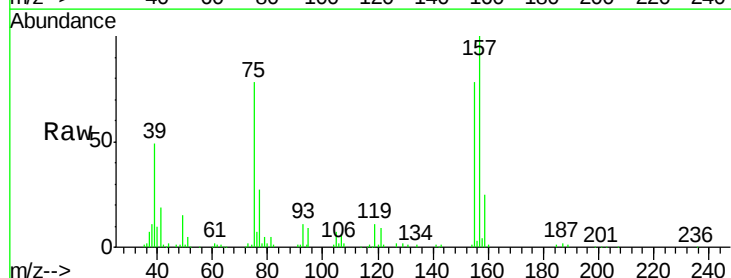
Manual Integrations
 APPROVED

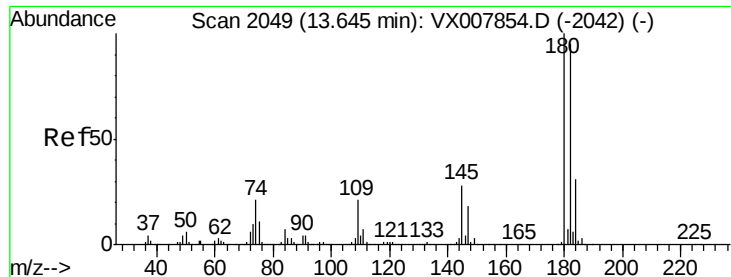
MMDadoda
 3/7/2019 10:34:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.551 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19041		
155	97.3		49.7	149.1
157	128.8		63.8	191.4





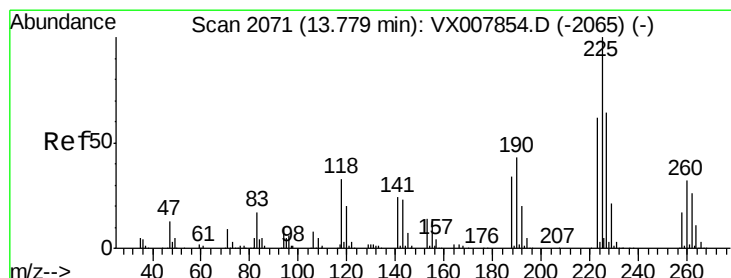
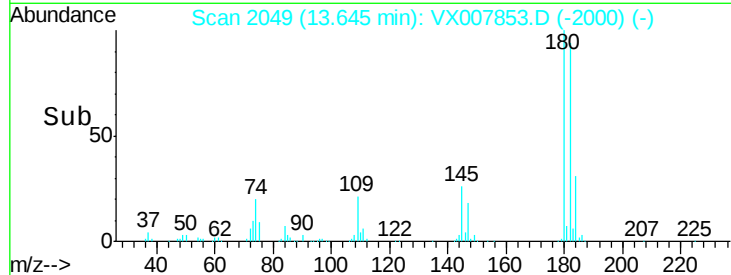
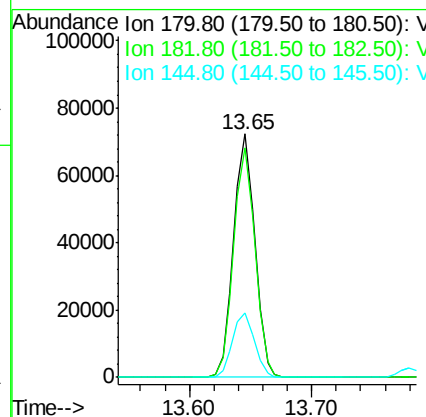
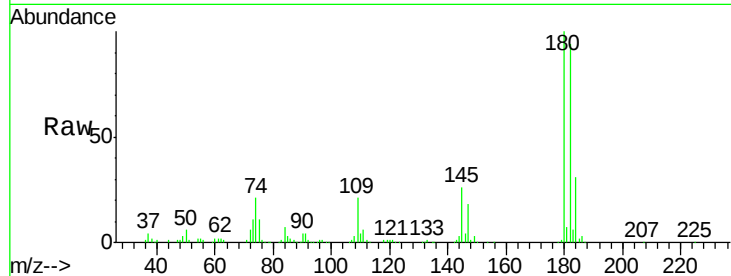
#93
 1,2,4-Trichlorobenzene
 Concen: 18.980 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	27.5	14.1	42.4

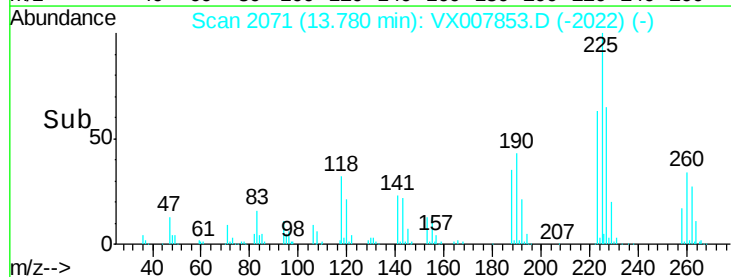
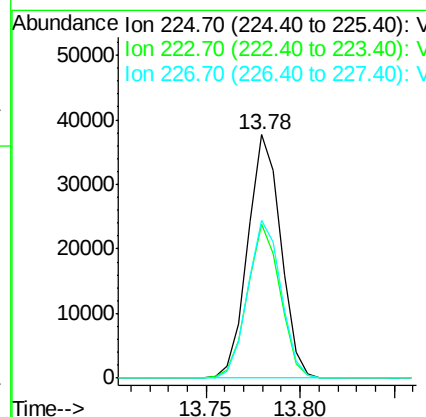
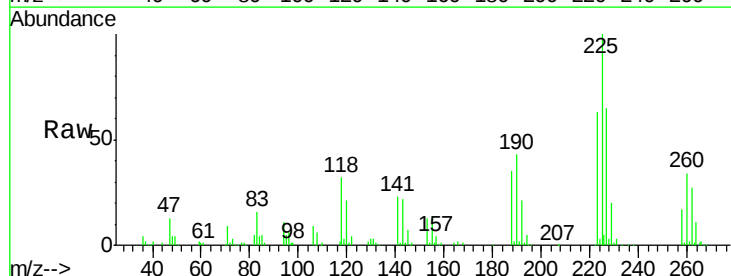
Manual Integrations
 APPROVED

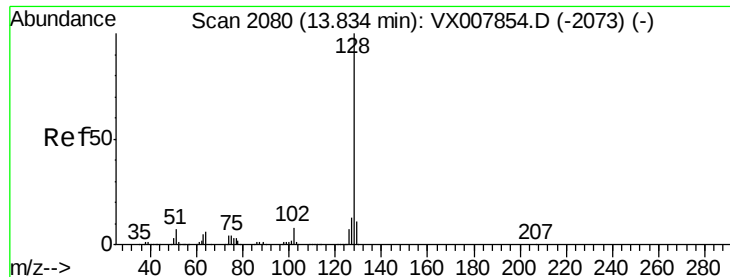
MMDadoda
 3/7/2019 10:34:51 AM



#94
 Hexachlorobutadiene
 Concen: 19.174 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007853.D
 Acq: 06 Mar 2019 10:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.2
227	64.9	32.0	96.0





#95

Naphthalene

Concen: 19.294 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Instrument :

MSVOA_X

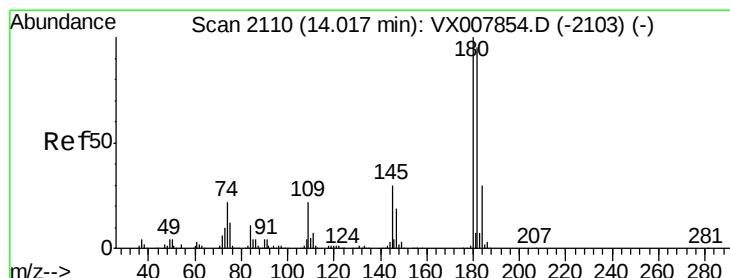
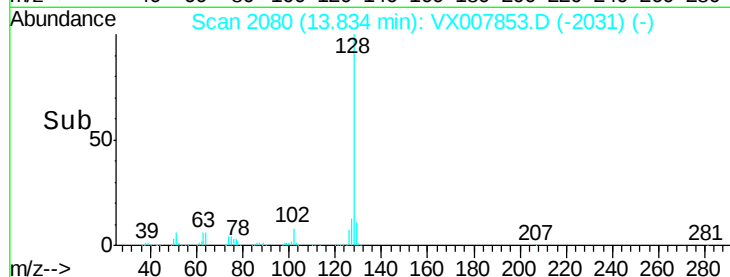
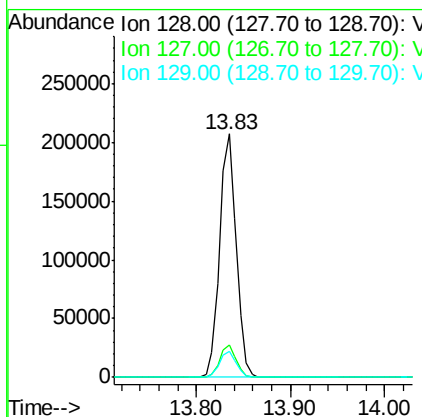
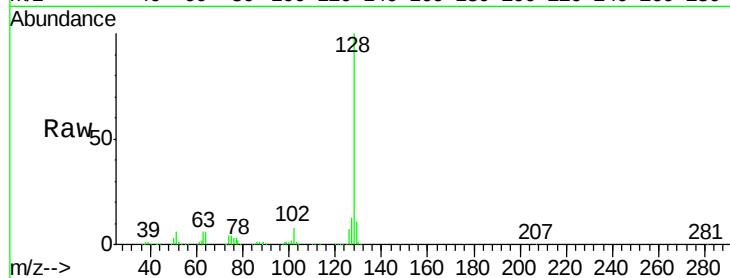
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	254225
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.220 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007853.D

Acq: 06 Mar 2019 10:34

Tgt Ion:	180	Resp:	87554
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.5	142.5
145	29.4	14.8	44.3

